



DEPARTMENT OF ENVIRONMENTAL QUALITY

KATHLEEN BABINEAUX BLANCO

GOVERNOR

MIKE D. McDANIEL, Ph.D.

SECRETARY

Certified Mail No.

Activity No.: PER19960018

Agency Interest No. 2083

Ms. Sarah Thigpen
Responsible Care Leader
Union Carbide Corporation
Taft/Star Manufacturing Complex
P. O. Box 50
Hahnville, St. Charles Parish, Louisiana 70057

RE: Part 70 Operating Permit, Acrylics 2 Unit – Taft/Star Plant, Union Carbide Corp, Taft, St. Charles Parish, Louisiana

Dear Ms. Thigpen:

This is to inform you that the permit for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the _____ of _____, 2010, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and Agency Interest No. cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2005.

Permit No.: 2254-V0

Sincerely,

[Signature]

Assistant Secretary

CCB: der

cc: EPA Region VI

ENVIRONMENTAL SERVICES

: PO BOX 4313, BATON ROUGE, LA 70821-4313

P:225-219-3181 F:225-219-3309

WWW.DEQ.LOUISIANA.GOV

PUBLIC NOTICE
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY (LDEQ)
UNION CARBIDE CORPORATION, TAFT/STAR PLANT, ACRYLICS 2 UNIT
PROPOSED INITIAL PART 70 AIR OPERATING PERMIT

The LDEQ, Office of Environmental Services, is accepting written comments on a proposed initial Part 70 air operating permit for Union Carbide Corporation, Taft/Star Plant, P.O. Box 50, Hahnville, LA 70057 for the Acrylics 2 Unit. The facility is located at 355 Highway 3142, Gate 28, Taft, St. Charles Parish.

Union Carbide Corporation is a wholly owned subsidiary of the Dow Chemical Company. The Taft/Star Plant is an existing synthetic organic chemical manufacturing industry facility. The Acrylics 2 Unit currently operates under state Permit No. 2254 (M-1), issued January 12, 1995.

Union Carbide Corporation proposes to make no physical modifications or changes in the method of operation that would result in an increase of emissions from the unit. The only changes included for the initial Part 70 air operating permit are the incorporation of the two process in the Acrylics 2 Unit (ethyl acrylate production and butyl acrylate production) under a single Part 70 permit and the updating of emissions based on current operations. It should be noted that nearly all emissions are currently collected and routed to an incineration unit located in another plant operating area. Because of this change, the quantity of criteria pollutants to be listed in the Part 70 air operating permit has been significantly reduced.

Estimated emissions in tons per year are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM ₁₀	3.90	0	-3.90
SO ₂	0.30	0	-0.30
NO _x	138.00	0	-138.00
CO	63.60	0	-63.60
VOC ¹	135.00	34.66	-100.34
¹ Toxic VOC Included in Totals	21.765	8.36	-13.405
Sulfuric Acid	0.002	0.02	+0.02

Toxic compounds include the following compounds whose Potential to Emit is above the Minimum Emission Rate (MER) listed in LAC 33:III.Chapter 51. Table 51.1: Acrylic Acid and Ethyl Acrylate

Written comments, written requests for a public hearing, or written requests for notification of the final decision regarding this permit action may be submitted to Ms. Soumaya Ghosn at LDEQ, Public Participation Group, P.O. Box 4313, Baton Rouge, LA 70821-4313. **Written comments and/or written requests must be received by 12:30 p.m., Monday, March 6, 2006.** Written comments will be considered prior to a final permit decision.

If LDEQ finds a significant degree of public interest, a public hearing will be held. LDEQ will send notification of the final permit decision to the applicant and to each person who has submitted written comments or a written request for notification of the final decision.

The permit application, proposed initial Part 70 air operating permit, environmental assessment statement also known as the environmental impact questions and statement of basis are available for review at the LDEQ, Public Records Center, Room 127, 602 North 5th Street, Baton Rouge, LA. Viewing hours are from 8:00 a.m. to 4:30 p.m., Monday through Friday (except holidays). An additional copy may be reviewed at the St. Charles Parish Public Library, East Regional Branch, 100 River Oaks Drive, Destrehan, LA 70047.

Inquiries or requests for additional information regarding this permit action should be directed to Ms. Alice Fredlund, LDEQ, Permits Division, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3044.

Persons wishing to be included on the LDEQ permit public notice mailing list should contact Ms. Soumaya Ghosn in writing at LDEQ, P.O. Box 4313, Baton Rouge, LA 70821-4313, phone (225) 219-3276, or by email at maillistrequest@ldeq.org.

Permit public notices can be viewed on the LDEQ Permits public Web page at WWW.deq.state.la.us/news/PubNotice/.

Alternatively, individuals may elect to receive the permit public notices via email by subscribing to the LDEQ permits public notice List Server at http://www.state.la.us/ldbc/listservpage/ldeq_pn_listserv.htm

All correspondence should specify AI2083, Permit Number 2254-V0, and Activity Tracking Number PER19960018.

Publication Date: February 2, 2006

AIR PERMIT BRIEFING SHEET
PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

**Union Carbide Corp
Taft/Star Plant
Acrylics 2 Unit
Agency Interest No.: 2083
Taft, St. Charles Parish, Louisiana**

I. Background

Union Carbide Corp (UCC) is a wholly owned subsidiary of the Dow Chemical Company. Union Carbide Corp (UCC) – Taft/Star Plant is an existing synthetic organic chemical manufacturing industry (SOCMI) facility that has many units located within its Taft/Star Complex. In order to promote simplicity and efficiency, UCC has submitted applications on a unit (or other appropriate operational division) basis. The information included in this permit is for the Acrylics 2 Unit. The original Butyl Acrylate Unit began operation prior to 1969 and was originally “grandfathered”. The initial operating permit for the plant, 2254, was issued April 4, 1994. The Acrylics 2 Unit (Butyl Acrylate and Ethyl Acrylate) currently operates under state Permit No. 2254 (M-1), issued January 12, 1995.

This is the initial Part 70 operating permit for the Acrylics 2 Unit.

II. Origin

A permit application and Emission Inventory Questionnaire was originally submitted by Union Carbide Corp on October 12, 1996 requesting a Part 70 operating permit for the Acrylics 2 Unit. Additional information dated December 31, 2002, February 9, 2005, and March 28, 2005, was also received.

III. Description

The Acrylics 2 Unit consists of a heavy esters and ethyl acrylate process. The primary products generated in the Acrylics 2 Unit are butyl acrylate and ethyl acrylate. Both butyl acrylate and ethyl acrylate are further processed by customers to make latex paints, other coatings and finishes, adhesives, and elastomeric products.

Both ethyl acrylate and butyl acrylate are the final products produced from separate esterification reactions. Raw materials are combined in reactors to produce several crude products. Ethyl acrylate is generated from the combination of acrylic acid and ethanol. Butyl acrylate results from a reaction between acrylic acid and butanol. Crude products from the reactors are then refined through a series of distillation steps. The principle products recovered are ethyl acrylate, butyl acrylate, and ethylhexyl acrylate. Processing equipment consists of reactors, distillation columns, and both intermediate and final product tanks.

Vents from the distillation columns and tanks are collected in a closed vent system and routed through two knockout pots to the thermal oxidizer, located in the Acrylics 1 Unit (EIQ 253).

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This vent collection and destruction system has resulted in a large reduction in VOC emissions. However, oxidizer down time, reliability of the vent collection system auxiliaries, and process safety considerations will infrequently result in emissions being routed to the atmosphere for certain periods of time. Uncontrolled emission sources in the Acrylics 2 Unit include a sulfuric acid tank, two knockout pots (during incinerator downtime), and fugitive emissions. The emissions of the remaining tanks, reactors, column vents, and hotwells are routed to the Thermal Oxidizer in the Acrylics 1 Unit through the closed vent system.

Estimated emissions in tons per year are as follows:

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
PM ₁₀	3.90	0	-3.90
SO ₂	0.30	0	-0.30
NO _x	138.00	0	-138.00
CO	63.60	0	-63.60
VOC	135.00	34.66	-100.34

VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

<u>Pollutant</u>	<u>Before</u>	<u>After</u>	<u>Change</u>
Acetaldehyde	0.14	<0.01	-0.14
Acrolein	0.10	<0.01	-0.10
Acetophenone	0	<0.01	+<0.01
Acrylic Acid	0.81	0.36	-0.45
Benzene	0	<0.01	+<0.01
Butanol	1.40	1.08	-0.32
Dibutyl Phthalate	0	<0.01	+<0.01
Ethyl Acrylate	19.20	6.79	-12.41
Ethylene Glycol	0.001	0.02	+0.019
Formaldehyde	0.004	0	-0.004
Hydroquinone	0.11	<0.01	-0.11
Methanol	0	<0.01	+<0.01

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Taft/Star Plant
Acrylics 2 Unit
Agency Interest No.: 2083
Taft, St. Charles Parish, Louisiana**

VOC LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

Pollutant	Before	After	Change
Naphthalene	0	0.02	+0.02
Phenol	0	<0.01	+<0.01
Phthalic Anhydride	0	<0.01	+<0.01
Total	21.765	8.36	-13.405

LAC 33:III Chapter 51 Toxic Air Pollutants (Non-VOC TAPs):

Pollutant	Before	After	Change
Sulfuric Acid	0.002	0.02	+0.018
Total	0.002	0.02	+0.018

Other VOC (TPY): 26.30

IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations and Prevention of Significant Deterioration (PSD). New Source Performance Standards (NSPS) and National Emission Standards for Hazardous Air Pollutants (NESHAP) apply to various emission sources within the unit.

The Taft/Star facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

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**Union Carbide Corp
Taft/Star Plant
Acrylics 2 Unit
Agency Interest No.: 2083
Taft, St. Charles Parish, Louisiana**

VI. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 2005; and in the <local paper>, <local town>, on <date>, 2005. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

VII. Effects on Ambient Air

Dispersion Model Used: ISCST3

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Toxic Air Pollutant Ambient Air Quality Standard or (National Ambient Air Quality Standard {NAAQS})
Acrylic Acid *	8 Hour Avg.	*	140.00 $\mu\text{g}/\text{m}^3$
Ethylene Oxide	Annual Avg.	0.66 $\mu\text{g}/\text{m}^3$	1.00 $\mu\text{g}/\text{m}^3$
n-Hexane	8 Hour Avg.	1206.52 $\mu\text{g}/\text{m}^3$	4,190.00 $\mu\text{g}/\text{m}^3$
Vinyl Chloride	Annual Avg.	0.017 $\mu\text{g}/\text{m}^3$	1.19 $\mu\text{g}/\text{m}^3$

* To determine compliance with the Louisiana Ambient Air Standards (AAS) for acrylic acid, permittee shall establish ambient monitoring for this pollutant in accordance with a monitoring plan and operating procedures to be approved by the Office of Environmental Assessment. The monitoring plan and operating procedures shall be submitted within 45 days of the permit issuance, and the monitoring should commence as soon as practical but no later than 90 days from the date of permit issuance. Monitoring sites should be based upon consideration of the maximum off site concentrations as predicted by dispersion modeling of Union Carbide's permitted emissions alone and of permitted emissions from all sources in the Union Carbide Area of Inclusion (AOI). If monitoring indicates off-site levels of acrylic acid above the AAS, further remedial action will be required to achieve compliance with the ambient air standards; permittee shall submit an application for permit modification within 60 days after completion of monitoring.

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Taft, St. Charles Parish, Louisiana**

VIII. General Condition XVII Activities

Work Activity	Schedule	Emission Rates - tons				
		PM ₁₀	NO _X	SO ₂	CO	VOC
Inhibitor Charging	433/year					0.06
EA Equipment Cleanup	30/year					0.31
BA Equipment Cleanup	6/year					0.01
Sampling	1850/year					<0.01
Tank Truck Loading	350/year					<0.01 <0.01
Hose Disconnect/ Connect	800/year					<0.01 <0.01
Equipment Maintenance	100/year					0.05 <0.01

IX. Insignificant Activities

ID No.	Description	Citation
275	Tank 3519 (8,086 gallon)	Insignificant Activity per LAC 33:III.501.B.5.A.3.
276	Tank 3518 (8,218 gallon)	Insignificant Activity per LAC 33:III.501.B.5.A.3.
282	Tank 3509 (9,068 gallon)	Insignificant Activity per LAC 33:III.501.B.5.A.3.
288	Tank 3532 (1,468 gallon)	Insignificant Activity per LAC 33:III.501.B.5.A.3.
289	Tank 3533 (1,028 gallon)	Insignificant Activity per LAC 33:III.501.B.5.A.3.
290	Tank 3534 (1,322 gallon)	Insignificant Activity per LAC 33:III.501.B.5.A.3.
291	Tank 3535 (1,322 gallon)	Insignificant Activity per LAC 33:III.501.B.5.A.3.

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295	Tank 3539 (6,046 gallon)	Insignificant Activity per LAC 33:III.501.B.5.A.3.
296	Tank 3540 (3,167 gallon)	Insignificant Activity per LAC 33:III.501.B.5.A.3.
297	Tank 3541 (2,591 gallon)	Insignificant Activity per LAC 33:III.501.B.5.A.3.
311	Pump Out Tank (4,515 gallon)	Insignificant Activity per LAC 33:III.501.B.5.A.3.
3504	Tank 3504 (Caustic/Water) (19,976 gallon)	Insignificant Activity per LAC 33:III.501.B.5.B.40.
3505	Tank 3505 (Caustic/Water) (19,976 gallon)	Insignificant Activity per LAC 33:III.501.B.5.B.40.
	Laboratory Vent Emissions	Insignificant Activity per LAC 33:III.501.B.5.A.6.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Union Carbide Corp - Taft Star Plant
 Acrylics 2 Unit
 Agency Interest No.: 2083
 Union Carbide Corp
 Taft, St. Charles Parish, Louisiana

X. **Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No:	Description	LAC 33:III.Chapter																
		5*	9	11	13	15	2103	2104*	2107	2111	2113	2115	2121	22	29*	51*	53	56
	Plant Wide		1	1	1				1						1	1	1	1
Unit	Acrylics 2 Unit		1													1		
196N	Fugitive Emissions							1							1	1		
261	Column AS-601									1					1			
261A	Column AS-605										1					1		
262	Column AS-602										1					1		
263	Column AS-603										1					1		
264	Column AS-604										1					3		
265	Column MS-608										1					3		
266	Column AS-501										1					1		
267	Column AS-503										1					1		
268	Column AS-504											1				1		
269	Column AS-505											3				1		
270	Column AS-509												1			1		
270A	Column AS-502												1			1		
271	Tank 3514												3			1		

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Union Carbide Corp - Taft Star Plant
 Acrylics 2 Unit
 Agency Interest No.: 2083
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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																
		5*	9	11	13	15	2103	2104*	2107	2111	2113	2115	2121	22	29*	51*	53	56
272	Tank 3515																	1
273	Tank 3516																	1
274	Tank 3517																	1
277	Tank 3520																	1
278	Tank 3522																	1
279	Tank 3500																	1
280	Tank 3501																	1
281	Tank 3502																	1
283	Tank 3512																	1
284	Tank 3513																	1
285	Tank 3503																	1
286	Tank 3530																	1
287	Tank 3531																	1
292	Tank 3529																	1
293	Tank 3537																	1
293A	Tank 3536																	1
300	Tank 3506																	1

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																
		5*	9	11	13	15	2103	2104*	2107	2111	2113	2115	2121	22	29*	51*	53	56
301	Tank 3507							3										1
302	Tank 3508							3										1
303	Tank 3510							3										1
304	Tank 3511							3										1
305	Tank 3521							1										1
306	Tank 3523								1									1
307	Tank 3525								3									1
308	Tank 3528								3									1
309	Tank 3526								3									1
310	Tank 3527								3									1
261C	Reactor MR-601																	
268A	Reactor MR-501																	
261B	Reactor GY-601																	
2703	HE Blower Suction Pot													3				1
2704	EA Blower Suction Pot													3				1

* The regulations indicated above are State Only regulations except for LAC 33:III.501.C.6 Limitations that specifically state that the regulation is Federally Enforceable.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Union Carbide Corp - Taft Star Plant
Acrylics 2 Unit
Agency Interest No.: 2083
Union Carbide Corp
Taft, St. Charles Parish, Louisiana

KEY TO MATRIX

- 1 - The regulations have applicable requirements that apply to this particular emission source.
 - The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Union Carbide Corp - Taft Star Plant
 Acrylics 2 Unit
 Agency Interest No.: 2083
 Union Carbide Corp
 Taft, St. Charles Parish, Louisiana

X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS				40 CFR 61				40 CFR 63 NESHAP				40 CFR			
		K	Ka	Kb	NNN	RRR	VV	M	FF	V	A	F	G	H	52	68	82
	Plant Wide							1	1	1					1	1	
Unit	Acrylics 2 Unit								3	1	1	1	1				
196N	Fugitive Emissions					1				1		1	1				
261	Column AS-601				2						3						
261A	Column AS-605				2						3						
262	Column AS-602				2						3						
263	Column AS-603				2						3						
264	Column AS-604				2						3						
265	Column MS-608				2						3						
266	Column AS-501				2						1	1					
267	Column AS-503				2						1	1					
268	Column AS-504				2						1	1					
269	Column AS-505				2						1	1					
270	Column AS-509				2						1	1					
270A	Column AS-502				2						1	1					
271	Tank 3514				3						1	1					
272	Tank 3515				3						1	1					

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		K	Ka	Kb	NNN	RRR	VV	M	FF	V	A	F	G	H	52	68	82					
273	Tank 3516			3											1	1						
274	Tank 3517			3											1	1						
277	Tank 3520			3											1	1						
278	Tank 3522			3											1	1						
279	Tank 3500			3											1	1						
280	Tank 3501			3											1	1						
281	Tank 3502			3											1	1						
283	Tank 3512			3											3							
284	Tank 3513			3											3							
285	Tank 3503			3											1	1						
286	Tank 3530			3											3							
287	Tank 3531			3											3							
292	Tank 3529			3											1	1						
293	Tank 3537			3											3							
293A	Tank 3536			3											3							
300	Tank 3506			3											1	1						
301	Tank 3507			3											1	1						

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X. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS				40 CFR 61				40 CFR 63 NESHAP				40 CFR		
		K	Ka	Kb	NNN	RRR	VV	M	FF	V	A	F	G	H	52	68
302	Tank 3508			3										3		
303	Tank 3510			3										3		
304	Tank 3511			3										3		
305	Tank 3521			3										1	1	
306	Tank 3523			3										1	1	
307	Tank 3525			3										1	1	
308	Tank 3528			3										3		
309	Tank 3526			3										1	1	
310	Tank 3527			3										3		
261C	Reactor MR-601						3							3		
268A	Reactor MR-501						3							1		
261B	Reactor GY-601						3							3		
2703	HE Blower Suction Pot						3	3						3		
2704	EA Blower Suction Pot						3	3						3		

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KEY TO MATRIX

- 1 - The regulations have applicable requirements that apply to this particular emission source.
 -The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

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 Acrylics 2 Unit
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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Notes
Unit	NESHAP Subpart FF – National Emission Standard for Benzene Waste Operations [40 CFR 61.342]	DOES NOT APPLY. This unit produces no benzene wastewater.
261 Column AS-601, 261A Column AS-605	NSPS Subpart NNN – Standards of Performance for VOC Emissions From SOCMI Distillation Operations [40 CFR 60.662(b)]	DOES NOT APPLY. These sources have not undergone modification or reconstruction after December 30, 1983.
	NESHAP Subpart G – National Emission Standard for SOCMI for Process Vents, Storage Vessels, Transfer Operations, and Wastewater [40 CFR 63.113]	DOES NOT APPLY. Vents do not meet the definition of a process vent per 40 CFR 63.101. The gas streams do not contain greater than 0.005 weight percent total organic HAP.
	Control of Emission of Organic Compounds: Waste Gas Disposal [LAC 33:III.2115.H(1)(c)]	EXEMPT. Waste stream is less than 100 pounds in any continuous 24-hour period. Emissions are routed to the AE 1 Unit Thermal Oxidizer. Recordkeeping and reporting requirements apply. [LAC 33:III.2115.K.4]
262 Column AS-602, 263 Column AS-603	NESHAP Subpart G - National Emission Standard for SOCMI for Process Vents, Storage Vessels, Transfer Operations, and Wastewater [40 CFR 63.113]	DOES NOT APPLY. Vents do not meet the definition of a process vent per 40 CFR 63.101. The gas streams do not contain HAPs.

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ID No:	Requirement	Notes
	NSPS Subpart NNN – Standards of Performance for VOC Emissions From SOCMIDistillation Operations [40 CFR 60.662(b)]	DOES NOT APPLY. These sources have not undergone modification or reconstruction after December 30, 1983.
	Control of Emission of Organic Compounds: Waste Gas Disposal [LAC 33:III.2115.H(1)(c)]	EXEMPT. Waste stream is less than 100 pounds in any continuous 24-hour period. Emissions are routed to the AE 1 Unit Thermal Oxidizer. Recordkeeping and reporting requirements apply. [LAC 33:III.2115.K.4]
264 Column AS-604	NESHAP Subpart G - National Emission Standard for SOCMI for Process Vents, Storage Vessels, Transfer Operations, and Wastewater [40 CFR 63.113]	DOES NOT APPLY. Vents do not meet the definition of a process vent per 40 CFR 63.101. The gas streams do not contain HAPs.
	NSPS Subpart NNN – Standards of Performance for VOC Emissions From SOCMIDistillation Operations [40 CFR 60.662(b)]	DOES NOT APPLY. This source has not undergone modification or reconstruction after December 30, 1983.
	Control of Emission of Organic Compounds: Waste Gas Disposal [LAC 33:III.2115.H(1)(c)]	EXEMPT. Waste stream is less than 100 pounds in any continuous 24-hour period. Emissions are routed to the AE 1 Unit Thermal Oxidizer. Recordkeeping and reporting requirements apply. [LAC 33:III.2115.K.4]
	Comprehensive Toxic Air Pollutant Emission Control Program [LAC 33:III.5109]	DOES NOT APPLY. Column does not emit TAPs.

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ID No:	Requirement	Notes
265 Column MS-608	NESHAP Subpart G - National Emission Standard for SOCMI for Process Vents, Storage Vessels, Transfer Operations, and Wastewater [40 CFR 63.1113] NSPS Subpart NNN – Standards of Performance for VOC Emissions From SOCMI Distillation Operations [40 CFR 60.662(b)] Control of Emission of Organic Compounds: Waste Gas Disposal [LAC 33:III.2115.H(1)(c)]	DOES NOT APPLY. Vents do not meet the definition of a process vent per 40 CFR 63.101. The gas streams do not contain HAPs. DOES NOT APPLY. This source has not undergone modification or reconstruction after December 30, 1983. EXEMPT. Waste stream is less than 100 pounds in any continuous 24-hour period. Emissions routed to AE 1 Unit Thermal Oxidizer. Recordkeeping and reporting requirements apply. [LAC 33:III.2115.K.4]
Comprehensive Toxic Air Pollutant Emission Control Program [LAC 33:III.5109]	DOES NOT APPLY. Column does not emit TAPs.	
268 Column AS-504	NSPS Subpart NNN – Standards of Performance for VOC Emissions From SOCMI Distillation Operations [40 CFR 60.662(b)]	DOES NOT APPLY. This source has not undergone modification or reconstruction after December 30, 1983.

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ID No:	Requirement	Notes
266 Column AS-501, 267 Column AS-503, 270 Column AS-509, 270A Column AS-502	NSPS Subpart NNN – Standards of Performance for VOC Emissions From SOCM1 Distillation Operations [40 CFR 60.662(b)]	DOES NOT APPLY. This source has not undergone modification or reconstruction after December 30, 1983. [LAC 33:III.2115.K.4]
	Control of Emission of Organic Compounds: Waste Gas Disposal [LAC 33:III.2115.H(1)(c)]	EXEMPT. Waste stream is less than 100 pounds in any continuous 24-hour period. Emissions routed to AE 1 Unit Thermal Oxidizer. Recordkeeping and reporting requirements apply. [LAC 33:III.2115.K.4]
269 Column AS-505	NSPS Subpart NNN – Standards of Performance for VOC Emissions From SOCM1 Distillation Operations [40 CFR 60.662(b)]	DOES NOT APPLY. This source has not undergone modification or reconstruction after December 30, 1983. [LAC 33:III.2115]
	Control of Emission of Organic Compounds: Waste Gas Disposal [LAC 33:III.2115]	DOES NOT APPLY. Waste stream is subject to HON requirements (Group 1). [LAC 33:III.2115]

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ID No:	Requirement	Notes
271 Tk-3514, 272 Tk-3515, 273 Tk-3516, 274 Tk-3517, 279 Tk-3500, 280 Tk-3501, 281 Tk-3502, 285 Tk-3503, 292 Tk-3529, 300 Tk-3506, 301 Tk-3507	NESHAP Subpart G - National Emission Standard for SOCMI for Process Vents, Storage Vessels, Transfer Operations, and Wastewater [40 CFR 63.119(a)(3)]	DOES NOT APPLY. Group 2 Storage vessels not part of an emissions average. Recordkeeping requirement applies. [40 CFR 63.123(a)]
	NSPS Subpart Kb - Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Storage tanks were constructed prior to July 23, 1984.
277 Tk-3520, 278 Tk-3522	Chapter 21 - Control of Emission of Organic Compounds [LAC 33.III.2103.A] NESHAP Subpart G - National Emission Standard for SOCMI for Process Vents, Storage Vessels, Transfer Operations, and Wastewater [40 CFR 63.119(a)(3)]	DOES NOT APPLY. Vapor pressure is less than 1.5 psia. DOES NOT APPLY. Group 2 Storage vessels not part of an emissions average. Recordkeeping requirement applies. [40 CFR 63.123(a)]

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ID No:	Requirement	Notes
	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. No tank has been constructed, reconstructed, or modified since July 23, 1984.
283 Tk-3512, 284 Tk-3513	NESHAP Subpart G - National Emission Standard for SOCMI for Process Vents, Storage Vessels, Transfer Operations, and Wastewater [40 CFR 63.119(a)]	DOES NOT APPLY. Does not meet the definition of a storage vessel per 63.101. Capacity is less than 38 cubic meters (10,039 gallons).
	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. No tank has been constructed, reconstructed, or modified since July 23, 1984.
	Chapter 21 – Control of Emission of Organic Compounds [LAC 33:III.2103.A]	DOES NOT APPLY. Vapor pressure is less than 1.5 psia.
286 Tk-3530, 287 Tk-3531, 293 Tk-3537, 293A Tk- 3536, 303 Tk- 3510, 304 Tk- 3511, 310 Tk- 3527	NESHAP Subpart G - National Emission Standard for SOCMI for Process Vents, Storage Vessels, Transfer Operations, and Wastewater [40 CFR 63.119(a)]	DOES NOT APPLY. Does not meet the definition of a storage vessel per 40 CFR 63.101. Capacity is either less than 38 cubic meters (10,039 gallons) or tank is a pressure vessel.

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ID No:	Requirement	Notes
	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. No tank has been constructed, reconstructed, or modified since July 23, 1984. Tank capacities are less than 10,567 gallons.
302 Tk-3508	Chapter 21 – Control of Emission of Organic Compounds [LAC 33:III.2103.A]	DOES NOT APPLY. Vapor pressure is less than 1.5 psia.
302 Tk-3508	NESHAP Subpart G - National Emission Standard for Process Vents, Storage Vessels, Transfer Operations, and Wastewater [40 CFR 63.119(a)]	DOES NOT APPLY. Does not meet the definition of a storage vessel per 40 CFR 63.101. Tank does not store an organic liquid containing HAPs.
305 Tk-3521	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. No tank has been constructed, reconstructed, or modified since July 23, 1984.
305 Tk-3521	Chapter 21 – Control of Emission of Organic Compounds [LAC 33:III.2103.A]	DOES NOT APPLY. Vapor pressure is less than 1.5 psia.
305 Tk-3521	NESHAP Subpart G - National Emission Standard for Process Vents, Storage Vessels, Transfer Operations, and Wastewater [40 CFR 63.119(a)(3)]	DOES NOT APPLY. Group 2 Storage vessels not part of an emissions average. Recordkeeping requirement applies. [40 CFR 63.123(a)]

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ID No:	Requirement	Notes
	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. No tank has been constructed, reconstructed, or modified since July 23, 1984.
306 Tk-3523	NESHAP Subpart G - National Emission Standard for SOCMI for Process Vents, Storage Vessels, Transfer Operations, and Wastewater [40 CFR 63.119(a)(3)]	DOES NOT APPLY. Group 2 Storage vessel not part of an emissions average. Recordkeeping requirement applies. [40 CFR 63.123(a)]
	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Tank capacity is less than 75 cubic meters (19,800 gallons).
307 Tk-3525	NESHAP Subpart G - National Emission Standard for SOCMI for Process Vents, Storage Vessels, Transfer Operations, and Wastewater [40 CFR 63.119(a)(3)]	DOES NOT APPLY. Group 2 Storage vessel not part of an emissions average. Recordkeeping requirement applies. [40 CFR 63.123(a)]
	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Tank capacity is less than 75 cubic meters (19,800 gallons).
	Chapter 21 – Control of Emission of Organic Compounds [LAC 33:III.2103.A]	DOES NOT APPLY. Vapor pressure is less than 1.5 psia.

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ID No:	Requirement	Notes
308 Tk-3528	NESHAP Subpart G - National Emission Standard for SOCMII for Process Vents, Storage Vessels, Transfer Operations, and Wastewater [40 CFR 63.119(a)]	DOES NOT APPLY. Does not meet the definition of a storage vessel per 63.101. Tank does not store an organic liquid containing HAPS.
	NSPS Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984. [40 CFR 60.110b]	DOES NOT APPLY. Tank stores sulfuric acid and was constructed prior to 1984.
	Chapter 21 – Control of Emission of Organic Compounds [LAC 33:III.2103.A]	DOES NOT APPLY. Tank stores sulfuric acid
309 Tk-3526	NESHAP Subpart G - National Emission Standard for SOCMII for Process Vents, Storage Vessels, Transfer Operations, and Wastewater [40 CFR 63.119(a)(3)]	DOES NOT APPLY. Group 2 Storage vessel not part of an emissions average. Recordkeeping requirement applies. [40 CFR 63.123(a)]
	NSPS Subpart K – Standards of Performance for Storage Vessels for Which Construction, Reconstruction, or Modification Commences after June 11, 1973 and Prior to May 19, 1978. [40 CFR 60.110]	DOES NOT APPLY. Tank capacity is less than 40,000 gallons, was constructed in 1968, and does not store petroleum liquids.
	Chapter 21 – Control of Emission of Organic Compounds [LAC 33:III.2103.A]	DOES NOT APPLY. Vapor pressure is less than 1.5 psia.

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ID No:	Requirement	Notes
268A MR-501 Reactor	NSPS Subpart RRR – Standard of Performance for VOC Emissions From SOCMI Reactor Processes [40 CFR 60.700-60.708]	DOES NOT APPLY. This source has not been modified, constructed or reconstructed after June 29, 1990.
261C MR-601 Reactor, 261B GY-601 Reactor	NESHAP Subpart G - National Emission Standard for SOCMI for Process Vents, Storage Vessels, Transfer Operations, and Wastewater [40 CFR 63.119(a)(3)]	DOES NOT APPLY. Equipment does not contain a hazardous chemical listed in Table 2 of Subpart F.
	NSPS Subpart RRR – Standards of Performance for VOC Emissions From SOCMI Reactor Processes [40 CFR 60 Subpart RRR]	DOES NOT APPLY. This source has not been modified, constructed or reconstructed after June 29, 1990.
2703 HE Blower Suction Pot	NSPS Subpart NNN – Standards of Performance for VOC Emission From SOCMI Distillation Operations [40 CFR 60 Subpart NNN]	DOES NOT APPLY. This source is a process vessel and not a distillation unit.
	NSPS Subpart RRR – Standards of Performance for VOC Emissions From SOCMI Reactor Processes [40 CFR 60 Subpart RRR]	DOES NOT APPLY. This source is a process vessel and not a reactor.
	NESHAP Subpart G - National Emission Standard for SOCMI for Process Vents, Storage Vessels, Transfer Operations, and Wastewater [40 CFR 63.119(a)(3)]	DOES NOT APPLY. This pot collects vents from various tanks, reactors, and columns. None of the associated reactors or columns contains HAPs.

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ID No:	Requirement	Notes
	Chapter 21 – Waste Gas Disposal [LAC 33:III.2115.H.d and K.4]	EXEMPT. Total VOCs from this collection pot are <100 pounds in a 24-hour period. Vent stream does not contain HAPs. Knock out pot is not an emission source but collects emissions from other emission sources and removes liquids prior to the suction blower. Records are maintained for individual sources associated with this knockout pot so additional recordkeeping for this pot is not required.
2704 EA Blower Suction Pot	NSPS Subpart NNN – Standards of Performance for VOC Emission From SOCMI Distillation Operations [40 CFR 60 Subpart NNN]	DOES NOT APPLY. This source is a process vessel and not a distillation unit.
	NSPS Subpart RRR – Standards of Performance for VOC Emissions From SOCMI Reactor Processes [40 CFR 60 Subpart RRR]	DOES NOT APPLY. This source is a process vessel and not a reactor.
	NESHAP Subpart G - National Emission Standard for SOCMI for Process Vents, Storage Vessels, Transfer Operations, and Wastewater [40 CFR 63.119(a)(3)]	DOES NOT APPLY. This pot collects vents from various tanks, reactors, and columns. None of the tanks are SOCMI Group 1 storage vessels. All of the streams from the associated reactors or columns are SOCMI HON Group 2 process vents except for Column AS-505 which is shut down during periods when the incinerator in AE 1 is down.

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ID No:	Requirement	Notes
	Chapter 21 – Waste Gas Disposal [LAC 33:III.2115]	DOES NOT APPLY. Knock out pot is not an emission source but collects emissions from other emission sources and removes liquids prior to the suction blower. Group 1 sources and sources subject to controls under 2115 will not be routed to the EA Suction Blower while the Acrylics 1 Thermal Oxidizer is down except as covered by the HON SSMP requirements. Records are maintained for individual sources associated with this knockout pot so additional recordkeeping for this pot is not required.

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X (Table 1) of this permit.

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- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]
- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
 1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
 2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and

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4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
 1. the date, place as defined in the permit, and time of sampling or measurements;
 2. the date(s) analyses were performed;
 3. the company or entity that performed the analyses;
 4. the analytical techniques or methods used;
 5. the results of such analyses; and
 6. the operating conditions as existing at the time of sampling or measurement.
[Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semiannual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]
- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly

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signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]

- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
 - 1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 - 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 - 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
 - 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
 - 5. changes in emissions would not qualify as a significant modification; and
 - 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Surveillance Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
 - 1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 - 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

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3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
 4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]

40 CFR PART 70 GENERAL CONDITIONS

- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The attached Facility Specific Requirements or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Facility Specific Requirements or, where included, Tables 2 and 3 of the permit. The permit is based on the permit application and Emission Inventory Questionnaire (EIQ) dated October 12, 1996, and a revised application and EIQ dated December 31, 2002, as well as additional information received February 9, 2005 and March 28, 2005.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.
This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Surveillance Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Surveillance Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
- B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
- C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
1. Report by June 30 to cover January through March
 2. Report by September 30 to cover April through June
 3. Report by December 31 to cover July through September
 4. Report by March 31 to cover October through December

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

D. Each report submitted in accordance with this condition shall contain the following information:

1. Description of noncomplying emission(s);
2. Cause of noncompliance;
3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.

E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.

XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:

- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
- B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
- C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
- D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.

XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.

XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]
- These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:1.3901.
- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 2083 Union Carbide Corp - St Charles Operations

Activity Number: PER19960018

Permit Number: 2254-V0

Air - Title V Regular Permit Initial

Also Known As:	ID	Name	User Group	Start Date
	2520-00001	Union Carbide Corp - Taft Star Plant	CDS Number	08-05-2002
	2520-0001	Union Carbide Corp - Taft Star Plant	Emission Inventory	03-03-2004
	13-1421730	Federal Tax ID	Federal Tax ID	11-21-1999
LAD041581422		Union Carbide Corp SCO Taft/Star	Hazardous Waste Notification	08-18-1980
PMTPC		GPRA Baselines	Hazardous Waste Permitting	10-01-1997
LAD041581422		Union Carbide	Inactive & Abandoned Sites	06-08-1981
LA0000191		WPC File Number	LPDES Permit #	05-22-2003
LAR10C313		LPDES #	LPDES Permit #	12-12-2004
LAR10C447		LPDES #	LPDES Permit #	12-12-2004
LA-2163-L-01		Radioactive Material License	Radiation License Number	07-06-2001
2163		X-Ray Registration Number	Radiation X-ray Registration Number	11-21-1999
GD-089-1324		Site ID #	Solid Waste Facility No.	04-30-2001
17809		Union Carbide Chemicals & Plastics	TEMPO Merge	10-17-2001
19135		Dow Union Carbide - St Charles Operations	TEMPO Merge	06-30-2002
34610		Union Carbide Corp - Hahnville Plant	TEMPO Merge	10-17-2001
35033		Union Carbide Corp - Star Plant	TEMPO Merge	07-15-2001
3832		Union Carbide Corp	TEMPO Merge	11-01-2000
38779		Union Carbide Corp	TEMPO Merge	07-15-2001
38780		Union Carbide Corp	TEMPO Merge	07-15-2001
38882		Union Carbide Corp	TEMPO Merge	07-15-2001
44903		Union Carbide Corp Taft Plant	TEMPO Merge	07-22-2001
45881		Union Carbide Chemical & Plastics	TEMPO Merge	07-22-2001
8533		Union Carbide	TEMPO Merge	09-05-2001
89428		Dow Chemical	TEMPO Merge	11-07-2001
9651		Union Carbide Star	TEMPO Merge	10-17-2001
70057NNCRBHWY31		TRI #	Toxic Release Inventory	07-30-2004
45011610		UST Facility ID (from UST legacy data)	Underground Storage Tanks	10-12-2002

Physical Location: 355 Hwy 3142 Gate 2B
Taft, LA 70057 Main Phone: 9837834411Mailing Address: PO Box 50
Hahnville, LA 700570050

Location of Front Gate: 29° 58' 46" 81 hundredths latitude, 90° 26' 75 hundredths longitude, Coordinate Method: Interpolation - Map, Coordinate Datum: NAD27

General Information

AI ID: 2083 Union Carbide Corp - St Charles Operations
Activity Number: PER19960018
Permit Number: 2254-V0
Air - Title V Regular Permit Initial

Related People:	Name	Mailing Address	Phone (Type)	Relationship
	Responsible Care Leader	PO Box 50 Hahnville, LA 700570518	9857835835 (WP)	Radiation Safety Officer for
	Responsible Care Leader	PO Box 50 Hahnville, LA 700570518	9857835835 (WP)	Water Permit Contact For
	Responsible Care Leader	PO Box 50 Hahnville, LA 700570518	9857835835 (WP)	Air Permit Contact For
	Responsible Care Leader	PO Box 50 Hahnville, LA 700570518	9857835835 (WP)	Underground Storage Tank Contact for
Related Organizations:	Name	Address	Phone (Type)	Relationship
	Union Carbide Corp	PO Box 50 Hahnville, LA 700570050	Accident Prevention Billing Party for	
	Union Carbide Corp	PO Box 50 Hahnville, LA 700570050	Solid Waste Billing Party for	
	Union Carbide Corp	PO Box 50 Hahnville, LA 700570050	Air Billing Party for	
	Union Carbide Corp	PO Box 50 Hahnville, LA 700570050	Radiation Registration Billing Party for	
	Union Carbide Corp	PO Box 50 Hahnville, LA 700570050	Radiation License Billing Party for	
	Union Carbide Corp	PO Box 50 Hahnville, LA 700570050	Owens	
	Union Carbide Corp	PO Box 50 Hahnville, LA 700570050	Water Billing Party for	
	Union Carbide Corp	PO Box 50 Hahnville, LA 700570050	UST Billing Party for	

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit.
Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 2083 - Union Carbide Corp - St Charles Operations
 Activity Number: PER19960018
 Permit Number: 2254-V0
 Air - Title V Regular Permit Initial

Subject Item Inventory

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT352	261 - Column AS-601					8760 hr/yr (All Year)
EQT353	261A - Column AS-605					8760 hr/yr (All Year)
EQT354	261B - Reactor GY-601					8760 hr/yr (All Year)
EQT355	261C - Reactor MR-601					8760 hr/yr (All Year)
EQT356	262 - Column AS-602					8760 hr/yr (All Year)
EQT357	263 - Column AS-603					8760 hr/yr (All Year)
EQT358	264 - Column AS-604					8760 hr/yr (All Year)
EQT359	265 - Column MS-608					8760 hr/yr (All Year)
EQT360	266 - Column AS-501					8760 hr/yr (All Year)
EQT361	267 - Column AS-503					8760 hr/yr (All Year)
EQT362	268 - Column AS-504					8760 hr/yr (All Year)
EQT363	268A - Reactor MR-501					8760 hr/yr (All Year)
EQT364	269 - Column AS-505					8760 hr/yr (All Year)
EQT365	270 - Column AS-509					8760 hr/yr (All Year)
EQT366	2703 - HE Blower Suction Pnt					8760 hr/yr (All Year)
EQT367	2704 - EA Blower Suction Pnt					750 hr/yr (All Year)
EQT368	270A - Column AS-502					750 hr/yr (All Year)
EQT369	271 - Tank 3514 EA	16262 gallons			Ethyl Acrylate	8760 hr/yr (All Year)
EQT370	272 - Tank 3515 EA	16262 gallons			Ethyl Acrylate	8760 hr/yr (All Year)
EQT371	273 - Tank 3516 EA	16262 gallons			Ethyl Acrylate	8760 hr/yr (All Year)
EQT372	274 - Tank 3517 EA	16262 gallons			Ethyl Acrylate	8760 hr/yr (All Year)
EQT373	277 - Tank 3520 Ethanol Mix	16262 gallons			Ethanol and other components	8760 hr/yr (All Year)
EQT374	278 - Tank 3522 EA Mix	11156 gallons			Ethyl Acrylate	8760 hr/yr (All Year)
EQT375	279 - Tank 3500 BA/EHA	21151 gallons			Butyl Acrylate and Ethylhexyl Acrylate	8760 hr/yr (All Year)
EQT376	280 - Tank 3501 BA/EHA	21151 gallons			Butyl Acrylate and Ethylhexyl Acrylate	8760 hr/yr (All Year)
EQT377	281 - Tank 3502 BA/EHA	21151 gallons			Butyl Acrylate and Ethylhexyl Acrylate	8760 hr/yr (All Year)
EQT378	283 - Tank 3512 BA Mixture	8219 gallons			Butyl Acrylate	8760 hr/yr (All Year)
EQT379	284 - Tank 3513 BA Mixture	8219 gallons			Butyl Acrylate	8760 hr/yr (All Year)
EQT380	285 - Tank 3503 BA/EHA	21151 gallons			Butyl Acrylate and Ethylhexyl Acrylate	8760 hr/yr (All Year)
EQT381	286 - Tank 3530 EA	2591 gallons			Ethyl Acrylate	8760 hr/yr (All Year)
EQT382	287 - Tank 3531 EA	2303 gallons			Ethyl Acrylate	8760 hr/yr (All Year)
EQT383	292 - Tank 3529 Butano Mix	11012 gallons			n-Butyl Alcohol	8760 hr/yr (All Year)
EQT384	293 - Tank 3537 EA	2009 gallons			Ethyl Acrylate	8760 hr/yr (All Year)
EQT385	293A - Tank 3536 EA	2009 gallons			Ethyl Acrylate	8760 hr/yr (All Year)

INVENTORIES

AI ID: 2083 - Union Carbide Corp - St Charles Operations

Activity Number: PER19960018

Permit Number: 2254-V0

Air - Title V Regular Permit Initial

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT386	300 - Tank 3506 Butanol Mix	16437 gallons			n-Butyl Alcohol	8760 hr/yr (All Year)
EQT387	301 - Tank 3507 Butanol Mix	16437 gallons			n-Butyl Alcohol	8760 hr/yr (All Year)
EQT388	302 - Tank 3508 Butanol Mix	16437 gallons			n-Butyl Alcohol	8760 hr/yr (All Year)
EQT389	303 - Tank 3510 EA/Ethyl Acetate	8219 gallons			Ethyl Acrylate and Ethyl Acetate	8760 hr/yr (All Year)
EQT390	304 - Tank 3511 EA/Ethyl Acetate	8219 gallons			Ethyl Acrylate and Ethyl Acetate	8760 hr/yr (All Year)
EQT391	305 - Tank 3521 Butanol Mix	21997 gallons			n-Butyl Alcohol	8760 hr/yr (All Year)
EQT392	306 - Tank 3523 Recycle IPE	11280 gallons			Ethyl Acrylate and Acrylic Acid	8760 hr/yr (All Year)
EQT393	307 - Tank 3525 HE Wastewater Esters	11280 gallons			Wastewater containing Heavy Esters	8760 hr/yr (All Year)
EQT394	308 - Tank 3528 Sulfuric Acid	21000 gallons	12000 gallons/hr		Sulfuric Acid	8760 hr/yr (All Year)
EQT395	309 - Tank 3526 Aromatic 200	11280 gallons			Aromatic 200	8760 hr/yr (All Year)
EQT396	310 - Tank 3527 EA/Acrylic Acid	8219 gallons			Ethyl Acrylate and Acrylic Acid	8760 hr/yr (All Year)
FUG007	196N - Fugitive Emissions					8760 hr/yr (All Year)

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP062	Acrylics 2 Unit	A2083
GRP062	Acrylics 2 Unit	EQT352 261 - Column AS-601
GRP062	Acrylics 2 Unit	EQT353 261A - Column AS-605
GRP062	Acrylics 2 Unit	EQT354 261B - Reactor GY-601
GRP062	Acrylics 2 Unit	EQT355 261C - Reactor MR-601
GRP062	Acrylics 2 Unit	EQT356 262 - Column AS-602
GRP062	Acrylics 2 Unit	EQT357 263 - Column AS-603
GRP062	Acrylics 2 Unit	EQT358 264 - Column AS-604
GRP062	Acrylics 2 Unit	EQT359 265 - Column MS-608
GRP062	Acrylics 2 Unit	EQT360 266 - Column AS-501
GRP062	Acrylics 2 Unit	EQT361 267 - Column AS-503
GRP062	Acrylics 2 Unit	EQT362 268 - Column AS-504
GRP062	Acrylics 2 Unit	EQT363 268A - Reactor MR-501
GRP062	Acrylics 2 Unit	EQT364 269 - Column AS-505
GRP062	Acrylics 2 Unit	EQT365 270 - Column AS-509
GRP062	Acrylics 2 Unit	EQT366 2703 - HE Blower Suction Pot
GRP062	Acrylics 2 Unit	EQT367 2704 - EA Blower Suction Pot
GRP062	Acrylics 2 Unit	EQT368 270A - Column AS-502
GRP062	Acrylics 2 Unit	EQT369 271 - Tank 3514 EA
GRP062	Acrylics 2 Unit	EQT370 272 - Tank 3515 EA
GRP062	Acrylics 2 Unit	EQT371 273 - Tank 3516 EA

INVENTORIES

AI ID: 2083 - Union Carbide Corp - St Charles Operations

Activity Number: PER19960018

Permit Number: 2254-Y0

Air - Title V Regular Permit Initial

Subject Item Groups:

Subject Item Groups:		Included Components (from Above)	
ID	Description		
GRP062	Acrylics 2 Unit	EQT372 274 - Tank 3517 EA	
GRP062	Acrylics 2 Unit	EQT373 277 - Tank 3520 Ethanol Mix	
GRP062	Acrylics 2 Unit	EQT374 278 - Tank 3522 EA Mix	
GRP062	Acrylics 2 Unit	EQT375 279 - Tank 3500 BA/EHA	
GRP062	Acrylics 2 Unit	EQT376 280 - Tank 3501 BA/EHA	
GRP062	Acrylics 2 Unit	EQT377 281 - Tank 3502 BA/EHA	
GRP062	Acrylics 2 Unit	EQT378 283 - Tank 3512 BA Mixture	
GRP062	Acrylics 2 Unit	EQT379 284 - Tank 3513 BA Mixture	
GRP062	Acrylics 2 Unit	EQT380 285 - Tank 3503 BA/EHA	
GRP062	Acrylics 2 Unit	EQT381 286 - Tank 3530 EA	
GRP062	Acrylics 2 Unit	EQT382 287 - Tank 3531 EA	
GRP062	Acrylics 2 Unit	EQT383 292 - Tank 3529 Butanol Mix	
GRP062	Acrylics 2 Unit	EQT384 293 - Tank 3537 EA	
GRP062	Acrylics 2 Unit	EQT385 299A - Tank 3536 EA	
GRP062	Acrylics 2 Unit	EQT386 300 - Tank 3506 Butanol Mix	
GRP062	Acrylics 2 Unit	EQT387 301 - Tank 3507 Butanol Mix	
GRP062	Acrylics 2 Unit	EQT388 302 - Tank 3508 Butanol Mix	
GRP062	Acrylics 2 Unit	EQT389 303 - Tank 3510 EA/Ethyl Acetate	
GRP062	Acrylics 2 Unit	EQT390 304 - Tank 3511 EA/Ethyl Acetate	
GRP062	Acrylics 2 Unit	EQT391 305 - Tank 3521 Butanol Mix	
GRP062	Acrylics 2 Unit	EQT392 306 - Tank 3523 Recycle IPE	
GRP062	Acrylics 2 Unit	EQT393 307 - Tank 3525 HE Wastewater	
GRP062	Acrylics 2 Unit	EQT394 308 - Tank 3528 Sulfuric Acid	
GRP062	Acrylics 2 Unit	EQT395 309 - Tank 3526 Aromatic 200	
GRP062	Acrylics 2 Unit	EQT396 310 - Tank 3527 EA/Acrylic Acid	
GRP062	Acrylics 2 Unit	FUG7 196N - Fugitive Emissions	
GRP064	Column Vents to Acrylics 1 Incinerator	EQT352 261 - Column AS-601	
GRP064	Column Vents to Acrylics 1 Incinerator	EQT353 261A - Column AS-605	
GRP064	Column Vents to Acrylics 1 Incinerator	EQT356 262 - Column AS-602	
GRP064	Column Vents to Acrylics 1 Incinerator	EQT357 263 - Column AS-603	
GRP064	Column Vents to Acrylics 1 Incinerator	EQT358 264 - Column AS-604	
GRP064	Column Vents to Acrylics 1 Incinerator	EQT359 265 - Column MS-608	
GRP064	Column Vents to Acrylics 1 Incinerator	EQT360 266 - Column AS-501	
GRP064	Column Vents to Acrylics 1 Incinerator	EQT361 267 - Column AS-503	
GRP064	Column Vents to Acrylics 1 Incinerator	EQT362 268 - Column AS-504	
GRP064	Column Vents to Acrylics 1 Incinerator	EQT364 269 - Column AS-505	
GRP064	Column Vents to Acrylics 1 Incinerator	EQT365 270 - Column AS-509	

INVENTORIES

AI ID: 2083 - Union Carbide Corp - St Charles Operations
 Activity Number: PER19960018
 Permit Number: 2254-V0
 Air - Title V Regular Permit Initial

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP064	Column Vents to Acrylics 1 Incinerator	EQT368 270A - Column AS-502
GRP065	Tank Vents to Acrylics 1 Incinerator	EQT369 271 - Tank 3514 EA
GRP065	Tank Vents to Acrylics 1 Incinerator	EQT370 272 - Tank 3515 EA
GRP065	Tank Vents to Acrylics 1 Incinerator	EQT371 273 - Tank 3516 EA
GRP065	Tank Vents to Acrylics 1 Incinerator	EQT372 274 - Tank 3517 EA
GRP065	Tank Vents to Acrylics 1 Incinerator	EQT373 277 - Tank 3520 Ethanol Mix
GRP065	Tank Vents to Acrylics 1 Incinerator	EQT374 278 - Tank 3522 EA Mix
GRP065	Tank Vents to Acrylics 1 Incinerator	EQT375 279 - Tank 3500 BA/EHA
GRP065	Tank Vents to Acrylics 1 Incinerator	EQT376 280 - Tank 3501 BA/EHA
GRP065	Tank Vents to Acrylics 1 Incinerator	EQT377 281 - Tank 3502 BA/EHA
GRP065	Tank Vents to Acrylics 1 Incinerator	EQT378 283 - Tank 3512 BA Mixture
GRP065	Tank Vents to Acrylics 1 Incinerator	EQT379 284 - Tank 3513 BA Mixture
GRP065	Tank Vents to Acrylics 1 Incinerator	EQT380 285 - Tank 3503 BA/EHA
GRP065	Tank Vents to Acrylics 1 Incinerator	EQT381 286 - Tank 3530 EA
GRP065	Tank Vents to Acrylics 1 Incinerator	EQT382 287 - Tank 3531 EA
GRP065	Tank Vents to Acrylics 1 Incinerator	EQT383 292 - Tank 3529 Butanol Mix
GRP065	Tank Vents to Acrylics 1 Incinerator	EQT384 293 - Tank 3537 EA
GRP065	Tank Vents to Acrylics 1 Incinerator	EQT385 293A - Tank 3536 EA
GRP065	Tank Vents to Acrylics 1 Incinerator	EQT386 300 - Tank 3506 Butanol Mix
GRP065	Tank Vents to Acrylics 1 Incinerator	EQT387 301 - Tank 3507 Butanol Mix
GRP065	Tank Vents to Acrylics 1 Incinerator	EQT388 302 - Tank 3508 Butanol Mix
GRP065	Tank Vents to Acrylics 1 Incinerator	EQT389 303 - Tank 3510 EA/Ethyl Acetate
GRP065	Tank Vents to Acrylics 1 Incinerator	EQT390 304 - Tank 3511 EA/Ethyl Acetate
GRP065	Tank Vents to Acrylics 1 Incinerator	EQT391 305 - Tank 3521 Butanol Mix
GRP065	Tank Vents to Acrylics 1 Incinerator	EQT392 306 - Tank 3523 Recycle IPF
GRP065	Tank Vents to Acrylics 1 Incinerator	EQT393 307 - Tank 3525 HE Wastewater
GRP065	Tank Vents to Acrylics 1 Incinerator	EQT395 309 - Tank 3526 Aromatic 200
GRP065	Tank Vents to Acrylics 1 Incinerator	EQT396 310 - Tank 3527 EA/Acrylic Acid

Relationships:

Subject Item	Relationship	Subject Item
EQT352 261 - Column AS-601	Controls emissions from	EQT355 261C - Reactor MR-601
EQT352 261 - Column AS-601	Controls emissions from	EQT354 261B - Reactor GY-601
EQT360 266 - Column AS-501	Controls emissions from	EQT363 266A - Reactor MR-501
GRP63 Acrylics 1 Incinerator (S13-V1, E1Q253)	Controls emissions from	GRP64 Column Vents to Acrylics 1 Incinerator
GRP63 Acrylics 1 Incinerator (S13-V1, E1Q253)	Controls emissions from	GRP65 Tank Vents to Acrylics 1 Incinerator

INVENTORIES

AI ID: 2083 - Union Carbide Corp - St Charles Operations
Activity Number: PER19960018
Permit Number: 2254-V0
Air - Title V Regular Permit Initial

Stack Information:

ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
EQT394	.33		.33		20.5	

Fee Information:

Sub Item Id	Multiplier	Units Of Measure	Fee Desc
GRP062	244	MM Lb/Yr	0630 - Organic Oxides, Alcohols, Glycols (Rated Capacity)

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 2083 - Union Carbide Corp - St Charles Operations

Activity Number: PER19960018

Permit Number: 2254-V0

Air - Title V Regular Permit Initial

All phases

Subject Item	VOC	Avg lb/hr	Max lb/hr	Tons/Year
EQT 356 2703		23.39	248.39	87.7
EQT 357 2704		50.99	322.57	191.2
FUG 007 198N		1.55	1.55	6.77

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Phase Totals:

VOC: 34.66 tons/yr

Emission rates Notes:

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2083 - Union Carbide Corp - St Charles Operations

Activity Number: PER19960018

Permit Number: 2254-V0

Air - Title V Regular Permit Initial

All phases

Acetaldehyde		Acetophenone		Acrolein		Acrylic acid		Benzene	
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 366 2703	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.01	< 0.01	2.56	< 0.01
EQT 367 2704	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.01
EQT 394 308	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.01
FUG 007 196N	< 0.01	< 0.01	0.01	< 0.01	< 0.01	0.01	< 0.01	0.01	< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AID: 2083 - Union Carbide Corp - St Charles Operations

Activity Number: PER19960018

Permit Number: 2254-V0

Air - Title V Regular Permit Initial

All phases

Dibutyl phthalate			Ethyl Acrylate			Ethyleneglycol			Hydroquinone			Methanol			
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 366 2703				0.02	3.44	0.01									
EQT 367 2704				12.30	183.60	4.01				<	0.01	<	0.01	<	0.01
EQT 394 308															
FUG 007 198N	< 0.01	< 0.01	< 0.01	0.50	0.50	2.17	< 0.01	< 0.01	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2083 - Union Carbide Corp - St Charles Operations

Activity Number: PER19960018

Permit Number: 2254-V0

Air - Title V Regular Permit Initial

All phases

Naphthalene		Phenol		Phthalic Anhydride		Sulfuric acid		n-butyl alcohol	
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 366 2703	< 0.01	1.23	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
EQT 367 2704	< 0.01	0.10	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
EQT 394 308							< 0.01	< 0.01	< 0.01
FUG 007 198N	< 0.01	< 0.01	0.02	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Parameter Totals:

Acetaldehyde: <0.01 tons/yr

Acetophenone: <0.01 tons/yr

Acrolein: <0.01 tons/yr

Acrylic acid: 0.36 tons/yr

Benzene: <0.01 tons/yr

Dimethyl phthalate: <0.01 tons/yr

Ethyl Acrylate: 6.79 tons/yr

Ethyleneglycol: 0.02 tons/yr

Hydroquinone: <0.01 tons/yr

Methanol: <0.01 tons/yr

n-butyl alcohol: 1.08 tons/yr

Naphthalene: 0.02 tons/yr

Phenol: <0.01 tons/yr

Phthalic Anhydride: <0.01 tons/yr

Sulfuric acid: 0.02 tons/yr

Emission Rates Notes:

SPECIFIC REQUIREMENTS

AI ID: 2083 - Union Carbide Corp - St Charles Operations

Activity Number: PER19960018

Permit Number: 2254-V0

Air - Title V Regular Permit Initial

EQT352 261 - Column AS-601

- 1 Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]
- 2 Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109. No MACT requirement. Vent stream does not contain Class I or II TAPs, only Class III TAPs (Butanol and Acrylic Acid). [LAC 33:III.5105.A.2]
- 3 Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112.Table 51.2. [LAC 33:III.5109.B]

EQT353 261A - Column AS-605

- 4 Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]
- 5 Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109. No MACT requirement. Vent stream does not contain Class I or II TAPs, only Class III TAPs (Butanol and Acrylic Acid). [LAC 33:III.5105.A.2]
- 6 Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112.Table 51.2. [LAC 33:III.5109.B]

EQT356 262 - Column AS-602

- 7 Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]
- 8 Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109. No MACT requirement. Vent stream does not contain Class I or II TAPs, only Class III TAP (Butanol). [LAC 33:III.5105.A.2]
- 9 Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112.Table 51.2. [LAC 33:III.5109.B]

EQT357 263 - Column AS-603

- 10 Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]
- 11 Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109. No MACT requirement. Vent stream does not contain Class I or II TAPs, only Class III TAP (Butanol). [LAC 33:III.5105.A.2]
- 12 Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112.Table 51.2. [LAC 33:III.5109.B]

EQT358 264 - Column AS-604

- 13 Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]

EQT359 265 - Column MS-608

SPECIFIC REQUIREMENTS

AI ID: 2083 - Union Carbide Corp - St Charles Operations

Activity Number: PER19960018

Permit Number: 2254-V0

Air - Title V Regular Permit Initial

EQT359 265 - Column MS-608

- 14 Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed.
Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]

EQT360 266 - Column AS-501

- 15 Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed.
Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]
- 16 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with 40 CFR 63 Subpart G is considered MACT compliance. [LAC 33:III.5109.A]
- 17 Comply with the requirements of 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.102(a)]
- 18 Maintain all applicable records in such a manner that they can be readily accessed. Retain the most recent 6 months of records on site or make accessible by computer or other means that provides access within 2 hours after a request. Subpart F. [40 CFR 63.103(c)(1)]
- 19 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.103(c)(2)(i) through (iii), as well as records specified in 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.103(c)(2)]
- 20 Keep copies of all applicable reports and records required by 40 CFR 63 Subparts F, G, and H for at least 5 years. If 40 CFR 63 Subparts G or H require records to be maintained for a time period different than 5 years, maintain those records for the time specified in 40 CFR 63 Subparts G or H. Subpart F. [40 CFR 63.103(c)]
- 21 Bypass lines: For any equipment bypass line(s) that would allow emissions to vent to atmosphere, permittee will comply with one of the monitoring and control methods specified in 40 CFR 63.114(d). Flow path monitored by the regulation's specified method(s) at the regulation's specified frequency. [40 CFR 63.114(d)]
- Which Months: All Year Statistical Basis: Not applicable
- 22 Recalculate the TRE index value, flow, or organic hazardous air pollutants concentration for each process vent, as necessary to determine whether the vent is Group 1 or Group 2, whenever process changes are made that could reasonably be expected to change the vent to a Group 1 vent. Subpart G. [40 CFR 63.115(e)]
- 23 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.117(a)(4) through (a)(8), as applicable. Subpart G. [40 CFR 63.117(a)]
- 24 Submit information: Due with the Notification of Compliance Status specified in 40 CFR 63.115. Submit the flow rate measurement using methods and procedures specified in 40 CFR 63.115(a) and (b). Subpart G. [40 CFR 63.117(c)]
- 25 Submit information: Due with the Notification of Compliance Status specified in 40 CFR 63.115. Submit the organic HAP or TOC concentration measurement using the methods and procedures specified in 40 CFR 63.115(a) and (c). Subpart G. [40 CFR 63.117(d)]
- 26 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of any process changes as defined in 40 CFR 63.115(e), and any recalculations of the TRE index value pursuant to 40 CFR 63.115(e). Subpart G. [40 CFR 63.118(c)]
- 27 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of the information specified in 40 CFR 63.118(e)(1) through (e)(3). Subpart G. [40 CFR 63.118(e)]
- 28 Submit report: Due within 180 calendar days after a process change, as defined in 40 CFR 63.115(e), is made that causes a Group 2 process vent to become a Group 1 process vent. Include the information specified in 40 CFR 63.118(g)(1) through (g)(3). Subpart G. [40 CFR 63.118(g)]
- 29 Submit report: Due within 180 calendar days after a process change, as defined in 40 CFR 63.115(e), is made that causes a Group 2 process vent with an organic HAP concentration less than 50 ppmv to become a Group 2 process vent with a TRE index value less than or equal to 4.0. Include the information specified in 40 CFR 63.118(j)(1) through (j)(3). Subpart G. [40 CFR 63.118(j)]

SPECIFIC REQUIREMENTS

AI ID: 2083 - Union Carbide Corp - St Charles Operations

Activity Number: PER19960018

Permit Number: 2254-V0

Air - Title V Regular Permit Initial

EQT361 267 - Column AS-503

- 30 Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed.
Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]
- 31 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with 40 CFR 63 Subpart G is considered MACT compliance. [LAC 33:III.5109.A]
- 32 Comply with the requirements of 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.102(a)]
- 33 Maintain all applicable records in such a manner that they can be readily accessed. Retain the most recent 6 months of records on site or make accessible by computer or other means that provides access within 2 hours after a request. Subpart F. [40 CFR 63.103(c)(1)]
- 34 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.103(c)(2)(i) through (iii), as well as records specified in 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.103(c)(2)]
- 35 Keep copies of all applicable reports and records required by 40 CFR 63 Subparts F, G, and H for at least 5 years. If 40 CFR 63 Subparts G or H require records to be maintained for a time period different than 5 years, maintain those records for the time specified in 40 CFR 63 Subparts G or H. Subpart F. [40 CFR 63.103(c)]
- 36 TRE index value > 4.0 (no units). Subpart G. [40 CFR 63.113(e)]
- Which Month: All Year Statistical Basis: None specified
- 37 Organic HAP < 50 ppmv. Subpart G. [40 CFR 63.113(g)]
- Which Month: All Year Statistical Basis: None specified
- 38 Recalculate the TRE index value, flow, or organic hazardous air pollutants concentration for each process vent, as necessary to determine whether the vent is Group 1 or Group 2, whenever process changes are made that could reasonably be expected to change the vent to a Group 1 vent. Subpart G. [40 CFR 63.115(e)]
- 39 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records of measurements, engineering assessments, and calculations performed to determine the TRE index value of the vent stream. Include all data, assumptions and procedures used for the engineering assessments, as specified in 40 CFR 63.115(d)(1).
- Subpart G. [40 CFR 63.117(b)]
- 40 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of any process changes as defined in 40 CFR 63.115(e), and any recalculation of the TRE index value pursuant to 40 CFR 63.115(e). Subpart G. [40 CFR 63.118(c)]
- 41 Submit report. Due within 180 calendar days after a process change, as defined in 40 CFR 63.115(e), is made that causes a Group 2 process vent to become a Group 1 process vent. Include the information specified in 40 CFR 63.118(g)(1) through (g)(3). Subpart G. [40 CFR 63.118(g)]
- 42 Submit report. Due within 180 calendar days after a process change, as defined in 40 CFR 63.115(e), is made that causes a Group 2 process vent with a TRE greater than 4.0 to become a Group 2 process vent with a TRE less than 4.0. Include the information specified in 40 CFR 63.118(h)(1) through (h)(3). Subpart G. [40 CFR 63.118(h)]
- 43 Submit report. Due within 180 calendar days after a process change, as defined in 40 CFR 63.115(e), is made that causes a Group 2 process vent with an organic HAP concentration less than 50 ppmv to become a Group 2 process vent with an organic HAP concentration of 50 ppmv or greater and a TRE index value less than or equal to 4.0. Include the information specified in 40 CFR 63.118(j)(1) through (j)(3). Subpart G. [40 CFR 63.118(j)]
- 44 Nonhalogenated hydrocarbon burning: Temperature ≥ 1600 F (870 degrees C) for 0.5 seconds or greater in a direct-flame afterburner or thermal incinerator. Other devices will be accepted provided 98 percent or greater VOC destruction or removal efficiency can be demonstrated, as determined in accordance with LAC 33:III.2115.J.1, or if emissions are reduced to 20 ppm by volume, whichever is less stringent. [LAC 33:III.2115.B]
- 45 Halogenated hydrocarbons, total $\geq 95\%$ removal efficiency as determined in accordance with LAC 33:III.2115.J.1, by combustion or other methods specified in LAC 33:III.2115.G. If combusted, reduce the halogenated products of combustion to an emission level acceptable to DEQ. [LAC 33:III.2115.F]
- 46 Demonstrate compliance with LAC 33:III.2115 as requested by DEQ. [LAC 33:III.2115.J.1]

SPECIFIC REQUIREMENTS

AI ID: 2083 - Union Carbide Corp - St Charles Operations
Activity Number: PER19960018
Permit Number: 2254-V0
Air - Title V Regular Permit Initial

EQT362 268 - Column AS-504

- 47 Install and maintain monitors to accurately measure and record operational parameters of all required control devices as necessary to ensure the proper functioning of those devices in accordance with design specifications. Monitor and record at a minimum the parameters listed in LAC 33:III.2115.J.2a through e. [LAC 33:III.2115.J.2]
- 48 Comply with LAC 33:III.2115 as soon as practicable but in no event later than August 20, 2003. Comply with the requirements of LAC 33:III.2115 as soon as practicable, but in no event later than one year from the promulgation of the regulation revision, if subject to LAC 33:III.2115 as a result of a revision of LAC 33:III.2115. [LAC 33:III.2115.]
- 49 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain the records specified in LAC 33:III.2115.K.1 through K.3. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]
- 50 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with 40 CFR 63 Subpart G is considered MACT compliance. [LAC 33:III.5109.A]
- 51 Comply with the requirements of 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.102(a)]
- 52 Maintain all applicable records in such a manner that they can be readily accessed. Retain the most recent 6 months of records on site or make accessible by computer or other means that provides access within 2 hours after a request. Subpart F. [40 CFR 63.103(c)(1)]
- 53 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.103(c)(2)(i) through (iii), as well as records specified in 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.103(c)(2)]
- 54 Keep copies of all applicable reports and records required by 40 CFR 63 Subparts F, G, and H for at least 5 years. If 40 CFR 63 Subparts G or H require records to be maintained for a time period different than 5 years, maintain those records for the time specified in 40 CFR 63 Subparts G or H. Subpart F. [40 CFR 63.103(c)]
- 55 Recalculate the TRE index value, flow, or organic hazardous air pollutants concentration for each process vent, as necessary to determine whether the vent is Group 1 or Group 2, whenever process changes are made that could reasonably be expected to change the vent to a Group 1 vent. Subpart G. [40 CFR 63.115(e)]
- 56 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.117(a)(4)
- 57 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of any process changes as defined in 40 CFR 63.117(a), as applicable. Subpart G. [40 CFR 63.117(a)]
- 58 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of the information specified in 40 CFR 63.118(e)(1) through (e)(3). Subpart G. [40 CFR 63.118(e)]
- 59 Submit report. Due within 180 calendar days after a process change, as defined in 40 CFR 63.115(e), is made that causes a Group 2 process vent to become a Group 1 process vent. Include the information specified in 40 CFR 63.118(g)(1) through (g)(3). Subpart G. [40 CFR 63.118(g)]
- 60 Submit report. Due within 180 calendar days after a process change, as defined in 40 CFR 63.115(e), is made that causes a Group 2 process vent with an organic HAP concentration less than 50 ppmv to become a Group 2 process vent with an organic HAP concentration of 50 ppmv or greater and a TRE index value less than or equal to 4.0. Include the information specified in 40 CFR 63.118(j)(1) through (j)(3). Subpart G. [40 CFR 63.118(j)]

EQT363 268A - Reactor MR-501

- 61 Organic HAP > 98 % reduction by weight, or <= 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.116(c). Subpart G. [40 CFR 63.113(a)(2)]
Which Months: All Year Statistical Basis: None specified
- 62 Bypass lines: For any equipment bypass line(s) that would allow emissions to vent to atmosphere, permittee will comply with one of the monitoring and control methods specified in 40 CFR 63.114(d). Flow path monitored by the regulation's specified method(s) at the regulation's specified frequency. [40 CFR 63.114(d)]
Which Months: All Year Statistical Basis: Not applicable

SPECIFIC REQUIREMENTS

AI ID: 2083 - Union Carbide Corp - St Charles Operations

Activity Number: PER19960018

Permit Number: 2254-V0

Air - Title V Regular Permit Initial

EQT363 268A - Reactor MR-501

63 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.117(a)(4) through (a)(8), as applicable. Subpart G. [40 CFR 63.117(a)]

EQT364 269 - Column AS-505

64 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with 40 CFR 63 Subpart G is considered MACT compliance. [LAC 33:III.S109.A]

65 Comply with the requirements of 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.102(a)]

66 Maintain all applicable records in such a manner that they can be readily accessed. Retain the most recent 6 months of records on site or make accessible by computer or other means that provides access within 2 hours after a request. Subpart F. [40 CFR 63.103(c)(1)]

67 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.103(c)(2)(i) through (iii), as well as records specified in 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.103(c)(2)]

68 Keep copies of all applicable reports and records required by 40 CFR 63 Subparts F, G, and H for at least 5 years. If 40 CFR 63 Subparts G or H require records to be

maintained for a time period different than 5 years, maintain those records for the time specified in 40 CFR 63 Subparts G or H. Subpart F. [40 CFR 63.103(c)]

69 Organic HAP >= 98 % reduction by weight, or <= 20 ppmv, whichever is less stringent, as determined using the methods in 40 CFR 63.116(c). Subpart G. [40 CFR 63.113(a)(2)]

Which Months: All Year Statistical Basis: None specified

70 Bypass lines: For any equipment bypass line(s) that would allow emissions to vent to atmosphere, permittee will comply with one of the monitoring and control methods specified in 40 CFR 63.114(d). Flow path monitored by the regulation's specified method(s) at the regulation's specified frequency. [40 CFR 63.114(d)]

Which Months: All Year Statistical Basis: Not applicable

71 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of the data specified in 40 CFR 63.117(a)(4) through (a)(8), as applicable. Subpart G. [40 CFR 63.117(a)]

72 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of the information specified in 40 CFR 63.118(d)(1) through (d)(3). Subpart G. [40 CFR 63.118(d)]

73 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of the information specified in 40 CFR 63.118(e)(1) through (e)(3). Subpart G. [40 CFR 63.118(e)]

EQT365 270 - Column AS-509

74 Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]

75 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with 40 CFR 63 Subpart G is considered MACT compliance. [LAC 33:III.S109.A]

76 Comply with the requirements of 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.102(a)]

77 Maintain all applicable records in such a manner that they can be readily accessed. Retain the most recent 6 months of records on site or make accessible by computer or other means that provides access within 2 hours after a request. Subpart F. [40 CFR 63.103(c)(1)]

78 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.103(c)(2)(i) through (iii), as well as records specified in 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.103(c)(2)]

SPECIFIC REQUIREMENTS

AI ID: 2083 - Union Carbide Corp - St Charles Operations

Activity Number: PER19960018

Permit Number: 2254-V0

Air - Title V Regular Permit Initial

EQT365 270 - Column AS-509

79 Keep copies of all applicable reports and records required by 40 CFR 63 Subparts F, G, and H for at least 5 years. If 40 CFR 63 Subparts G or H require records to be maintained for a time period different than 5 years, maintain those records for the time specified in 40 CFR 63 Subparts G or H. Subpart F. [40 CFR 63.103(c)]

80 TRE index value > 4.0 (no units). Subpart G. [40 CFR 63.113(e)]

81 Which Month: All Year Statistical Basis: None specified

81 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records of measurements, engineering assessments, and calculations performed to determine the TRE index value of the vent stream. Include all data, assumptions and procedures used for the engineering assessments, as specified in 40 CFR 63.115(d)(1).

Subpart G. [40 CFR 63.117(b)]

82 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of any process changes as defined in 40 CFR 63.115(e), and any recalculation of the TRE index value pursuant to 40 CFR 63.115(e). Subpart G. [40 CFR 63.118(c)]

EQT366 2703 - HE Blower Suction Pot

83 Owner or operator shall monitor the number of hours that the HE Blower Suction Pot vents to the atmosphere and report the number of hours that exceed 750 hours annually. [LAC 33:III.501.C.6]

84 Do not cause a violation of any ambient air standard listed in LAC 33:III. Table 51.2, unless operating in accordance with LAC 33:III.5109. No MACT requirement. When oxidizer is out of service, applicable Ambient Air Standards shall be met for all Class II and Class III TAPs emitted from source. [LAC 33:III.5105.A.2]

85 Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112.Table 51.2. [LAC 33:III.5109.B]

EQT367 2704 - EA Blower Suction Pot

86 Group I sources (EQT 364 Column AS-505) and sources subject to controls under LAC 33:III.2115 (EQT 362 Column AS-504) shall not be routed to the EA Suction Blower during periods when the Acryciles 1 Thermal Oxidizer is brought down except as covered by the HON SSMP requirements. [LAC 33:III.501.C.6]

87 Owner or operator shall monitor the number of hours that the EA Blower Suction Pot vents to the atmosphere and report the number of hours that exceed 750 hours annually. [LAC 33:III.501.C.6]

88 Do not cause a violation of any ambient air standard listed in LAC 33:III. Table 51.2, unless operating in accordance with LAC 33:III.5109. No MACT requirement. When oxidizer is out of service, applicable Ambient Air Standards shall be met for all Class II and Class III TAPs emitted from source. [LAC 33:III.5105.A.2]

89 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with 40 CFR 63 Subpart G is considered MACT compliance. [LAC 33:III.5109.A]

EQT368 270A - Column AS-502

91 Equipment/operational data recordkeeping by electronic or hard copy as needed. Maintain records to demonstrate that the criteria are being met for any exemption claimed. Maintain records on the premises for at least two years and make such information available to representatives of the Louisiana Department of Environmental Quality and the Environmental Protection Agency upon request. [LAC 33:III.2115.K]

92 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with 40 CFR 63 Subpart G is considered MACT compliance. [LAC 33:III.5109.A]

93 Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112.Table 51.2. [LAC 33:III.5109.B]

94 Comply with the requirements of 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.102(a)]

95 Maintain all applicable records in such a manner that they can be readily accessed. Retain the most recent 6 months of records on site or make accessible by computer or other means that provides access within 2 hours after a request. Subpart F. [40 CFR 63.103(c)(1)]

SPECIFIC REQUIREMENTS

AI ID: 2083 - Union Carbide Corp - St Charles Operations

Activity Number: PER19960018

Permit Number: 2254-Y0

Air - Title V Regular Permit Initial

EQT368 270A - Column AS-502

- 96 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.103(c)(2)(i) through (iii), as well as records specified in 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.103(c)(2)]
- 97 Keep copies of all applicable reports and records required by 40 CFR 63 Subparts F, G, and H for at least 5 years. If 40 CFR 63 Subparts G or H require records to be maintained for a time period different than 5 years, maintain those records for the time specified in 40 CFR 63 Subparts G or H. Subpart F. [40 CFR 63.103(c)]
- 98 Recalculate the TRE index value, flow, or organic hazardous air pollutants concentration for each process vent, as necessary to determine whether the vent is Group 1 or Group 2, whenever process changes are made that could reasonably be expected to change the vent to a Group 1 vent. Subpart G. [40 CFR 63.115(e)]
- 99 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records of measurements, engineering assessments, and calculations performed to determine the TRE index value of the vent stream. Include all data, assumptions and procedures used for the engineering assessments, as specified in 40 CFR 63.115(d)(1). Subpart G. [40 CFR 63.117(b)]
- 100 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep up-to-date, readily accessible records of any process changes as defined in 40 CFR 63.115(e), and any recalculation of the TRE index value pursuant to 40 CFR 63.115(e). Subpart G. [40 CFR 63.118(c)]
- 101 Submit report Due within 180 calendar days after a process change, as defined in 40 CFR 63.118(g)(1) through (g)(3). Subpart G. [40 CFR 63.118(g)]
- 102 Submit report Due within 180 calendar days after a process change, as defined in 40 CFR 63.115(e), is made that causes a Group 2 process vent with a TRE greater than 4.0 to become a Group 2 process vent with a TRE less than 4.0. Include the information specified in 40 CFR 63.118(h)(1) through (h)(3). Subpart G. [40 CFR 63.118(h)]
- 103 Submit report Due within 180 calendar days after a process change, as defined in 40 CFR 63.115(e), is made that causes a Group 2 process vent with an organic HAP concentration less than 50 ppmv to become a Group 2 process vent with an organic HAP concentration of 50 ppmv or greater and a TRE index value less than or equal to 4.0. Include the information specified in 40 CFR 63.118(j)(1) through (j)(3). Subpart G. [40 CFR 63.118(j)]

EQT369 271 - Tank 3514 EA

- 104 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with 40 CFR 63 Subpart G is considered MACT compliance. [LAC 33:III.51 09. A]
- 105 Comply with the requirements of 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.102(a)]
- 106 Maintain all applicable records in such a manner that they can be readily accessed. Retain the most recent 6 months of records on site or make accessible by computer or other means that provides access within 2 hours after a request. Subpart F. [40 CFR 63.103(c)(1)]
- 107 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.103(c)(2)(i) through (iii), as well as records specified in 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.103(c)(2)]
- 108 Keep copies of all applicable reports and records required by 40 CFR 63 Subparts F, G, and H for at least 5 years. If 40 CFR 63 Subparts G or H require records to be maintained for a time period different than 5 years, maintain those records for the time specified in 40 CFR 63 Subparts G or H. Subpart F. [40 CFR 63.103(c)]
- 109 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT370 272 - Tank 3515 EA

- 110 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with 40 CFR 63 Subpart G is considered MACT compliance. [LAC 33:III.51 09. A]
- 111 Comply with the requirements of 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.102(a)]
- 112 Maintain all applicable records in such a manner that they can be readily accessed. Retain the most recent 6 months of records on site or make accessible by computer or other means that provides access within 2 hours after a request. Subpart F. [40 CFR 63.103(c)(1)]

SPECIFIC REQUIREMENTS

AI ID: 2083 - Union Carbide Corp - St Charles Operations

Activity Number: PER19960018

Permit Number: 2254-V0

Air - Title V Regular Permit Initial

EQT370 272 - Tank 3515 EA

- 113 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.103(c)(2)]
- 114 Keep copies of all applicable reports and records required by 40 CFR 63 Subparts F, G, and H for at least 5 years. If 40 CFR 63 Subparts G or H require records to be maintained for a time period different than 5 years, maintain those records for the time specified in 40 CFR 63 Subparts G or H. Subpart F. [40 CFR 63.103(c)]
- 115 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT371 273 - Tank 3516 EA

- 116 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with 40 CFR 63 Subpart G is considered MACT compliance. [LAC 33:III.51.09.A]
- 117 Comply with the requirements of 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.102(a)]
- 118 Maintain all applicable records in such a manner that they can be readily accessed. Retain the most recent 6 months of records on site or make accessible by computer or other means that provides access within 2 hours after a request. Subpart F. [40 CFR 63.103(c)(1)]
- 119 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.103(c)(2)(i) through (iii), as well as records specified in 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.103(c)(2)]
- 120 Keep copies of all applicable reports and records required by 40 CFR 63 Subparts F, G, and H for at least 5 years. If 40 CFR 63 Subparts G or H require records to be maintained for a time period different than 5 years, maintain those records for the time specified in 40 CFR 63 Subparts G or H. Subpart F. [40 CFR 63.103(c)]
- 121 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT372 274 - Tank 3517 EA

- 122 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with 40 CFR 63 Subpart G is considered MACT compliance. [LAC 33:III.51.09.A]
- 123 Comply with the requirements of 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.102(a)]
- 124 Maintain all applicable records in such a manner that they can be readily accessed. Retain the most recent 6 months of records on site or make accessible by computer or other means that provides access within 2 hours after a request. Subpart F. [40 CFR 63.103(c)(1)]
- 125 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.103(c)(2)(i) through (iii), as well as records specified in 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.103(c)(2)]
- 126 Keep copies of all applicable reports and records required by 40 CFR 63 Subparts F, G, and H for at least 5 years. If 40 CFR 63 Subparts G or H require records to be maintained for a time period different than 5 years, maintain those records for the time specified in 40 CFR 63 Subparts G or H. Subpart F. [40 CFR 63.103(c)]
- 127 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT373 277 - Tank 3520 Ethanol Mix

- 128 Equip with a submerged fill pipe or a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.A]

SPECIFIC REQUIREMENTS

AID: 2083 - Union Carbide Corp - St Charles Operations

Activity Number: PER19960018

Permit Number: 2254-V0

Air - Title V Regular Permit Initial

EQT373 277 - Tank 3520 Ethanol Mix

- 129 VOC, Total $\geq 95\%$ control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.1]
Which Months: All Year Statistical Basis: None specified
- 130 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3-a-e. [LAC 33:III.2103.H.3]
- 131 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I.]
- 132 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with 40 CFR 63 Subpart G is considered MACT compliance. [LAC 33:III.5109.A]
- 133 Comply with the requirements of 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.102(a)]
- 134 Maintain all applicable records in such a manner that they can be readily accessed. Retain the most recent 6 months of records on site or make accessible by computer or other means that provides access within 2 hours after a request. Subpart F. [40 CFR 63.103(c)(1)]
- 135 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.103(c)(2)(i) through (iii), as well as records specified in 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.103(c)(2)]
- 136 Keep copies of all applicable reports and records required by 40 CFR 63 Subparts F, G, and H for at least 5 years. If 40 CFR 63 Subparts G or H require records to be maintained for a time period different than 5 years, maintain those records for the time specified in 40 CFR 63 Subparts G or H. Subpart F. [40 CFR 63.103(c)]
- 137 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT374 278 - Tank 3522 EA Mix

- 138 Equip with a submerged fill pipe or a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.A]
- 139 VOC, Total $\geq 95\%$ control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.1]
Which Months: All Year Statistical Basis: None specified
- 140 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3-a-e. [LAC 33:III.2103.H.3]
- 141 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I.]
- 142 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with 40 CFR 63 Subpart G is considered MACT compliance. [LAC 33:III.5109.A]
- 143 Comply with the requirements of 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.102(a)]
- 144 Maintain all applicable records in such a manner that they can be readily accessed. Retain the most recent 6 months of records on site or make accessible by computer or other means that provides access within 2 hours after a request. Subpart F. [40 CFR 63.103(c)(1)]
- 145 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.103(c)(2)(i) through (iii), as well as records specified in 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.103(c)(2)]
- 146 Keep copies of all applicable reports and records required by 40 CFR 63 Subparts G or H for at least 5 years. If 40 CFR 63 Subparts G or H require records to be maintained for a time period different than 5 years, maintain those records for the time specified in 40 CFR 63 Subparts G or H. Subpart F. [40 CFR 63.103(c)]

SPECIFIC REQUIREMENTS

AI ID: 2083 - Union Carbide Corp - St Charles Operations

Activity Number: PER19960018

Permit Number: 2254-V0

Air - Title V Regular Permit Initial

EQT374 278 - Tank 3522 EA Mix

- 147 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT375 279 - Tank 3500 BA/EHA

- 148 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with 40 CFR 63 Subpart G is considered MACT compliance. [LAC 33.III.5109.A]
- 149 Comply with the requirements of 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.102(a)]
- 150 Maintain all applicable records in such a manner that they can be readily accessed. Retain the most recent 6 months of records on site or make accessible by computer or other means that provides access within 2 hours after a request. Subpart F. [40 CFR 63.103(c)(1)]
- 151 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.103(c)(2)(i) through (iii), as well as records specified in 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.103(c)(2)]
- 152 Keep copies of all applicable reports and records required by 40 CFR 63 Subparts F, G, and H for at least 5 years. If 40 CFR 63 Subparts G or H require records to be maintained for a time period different than 5 years, maintain those records for the time specified in 40 CFR 63 Subparts G or H. Subpart F. [40 CFR 63.103(c)]
- 153 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT376 280 - Tank 3501 BA/EHA

- 154 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with 40 CFR 63 Subpart G is considered MACT compliance. [LAC 33.III.5109.A]
- 155 Comply with the requirements of 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.102(a)]
- 156 Maintain all applicable records in such a manner that they can be readily accessed. Retain the most recent 6 months of records on site or make accessible by computer or other means that provides access within 2 hours after a request. Subpart F. [40 CFR 63.103(c)(1)]
- 157 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.103(c)(2)(i) through (iii), as well as records specified in 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.103(c)(2)]
- 158 Keep copies of all applicable reports and records required by 40 CFR 63 Subparts F, G, and H for at least 5 years. If 40 CFR 63 Subparts G or H require records to be maintained for a time period different than 5 years, maintain those records for the time specified in 40 CFR 63 Subparts G or H. Subpart F. [40 CFR 63.103(c)]
- 159 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT377 281 - Tank 3502 BA/EHA

- 160 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with 40 CFR 63 Subpart G is considered compliance. [LAC 33.III.5109.A]
- 161 Comply with the requirements of 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.102(a)]
- 162 Maintain all applicable records in such a manner that they can be readily accessed. Retain the most recent 6 months of records on site or make accessible by computer or other means that provides access within 2 hours after a request. Subpart F. [40 CFR 63.103(c)(1)]
- 163 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.103(c)(2)(i) through (iii), as well as records specified in 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.103(c)(2)]

SPECIFIC REQUIREMENTS

AI ID: 2083 - Union Carbide Corp - St Charles Operations
Activity Number: PER19960018
Permit Number: 2254-V0
Air - Title V Regular Permit Initial

EQT377 281 - Tank 3502 BA/EHA

- 164 Keep copies of all applicable reports and records required by 40 CFR 63 Subparts F, G, and H for at least 5 years. If 40 CFR 63 Subparts G or H require records to be maintained for a time period different than 5 years, maintain those records for the time specified in 40 CFR 63 Subparts G or H. Subpart F. [40 CFR 63.1.03(c)]
165 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.1.23(a)]

EQT378 283 - Tank 3512 BA Mixture

- 166 Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.51.09. No MACT requirement. Vent stream does not contain Class I or II TAPs, only Class III TAPs. [LAC 33:III.5105.A.2]
167 Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112.Table 51.2. [LAC 33:III.5109.B]

EQT379 284 - Tank 3513 BA Mixture

- 168 Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.51.09. No MACT requirement. Vent stream does not contain Class I or II TAPs, only Class III TAPs. [LAC 33:III.5105.A.2]
169 Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112.Table 51.2. [LAC 33:III.5109.B]

EQT380 285 - Tank 3503 BA/EHA

- 170 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with 40 CFR 63 Subpart G is considered MACT compliance. [LAC 33:III.51.09.A]
171 Comply with the requirements of 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.1.02(a)]
172 Maintain all applicable records in such a manner that they can be readily accessed. Retain the most recent 6 months of records on site or make accessible by computer or other means that provides access within 2 hours after a request. Subpart F. [40 CFR 63.1.03(c)(1)]
173 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.103(c)(2)(i) through (iii), as well as records specified in 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.1.03(c)(2)]
174 Keep copies of all applicable reports and records required by 40 CFR 63 Subparts F, G, and H for at least 5 years. If 40 CFR 63 Subparts G or H require records to be maintained for a time period different than 5 years, maintain those records for the time specified in 40 CFR 63 Subparts G or H. Subpart F. [40 CFR 63.1.03(c)]
175 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.1.23(a)]

EQT381 286 - Tank 3530 EA

- 176 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with 40 CFR 63 Subpart G is considered MACT compliance. [LAC 33:III.51.09.A]

EQT382 287 - Tank 3531 EA

- 177 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with 40 CFR 63 Subpart G is considered MACT compliance. [LAC 33:III.5109.A]

EQT383 292 - Tank 3529 Butanol Mix

SPECIFIC REQUIREMENTS

AI ID: 2083 - Union Carbide Corp - St Charles Operations

Activity Number: PER19960018

Permit Number: 2254-V0

Air - Title V Regular Permit Initial

EQT383 292 - Tank 3529 Butanol Mix

- 178 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with 40 CFR 63 Subpart G is considered MACT compliance. [LAC 33:III.5109.A]
- 179 Comply with the requirements of 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.102(a)]
- 180 Maintain all applicable records in such a manner that they can be readily accessed. Retain the most recent 6 months of records on site or make accessible by computer or other means that provides access within 2 hours after a request. Subpart F. [40 CFR 63.103(c)(1)]
- 181 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.103(c)(2)(i) through (iii), as well as records specified in 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.103(c)(2)]
- 182 Keep copies of all applicable reports and records required by 40 CFR 63 Subparts F, G, and H for at least 5 years. If 40 CFR 63 Subparts G or H require records to be maintained for a time period different than 5 years, maintain those records for the time specified in 40 CFR 63 Subparts G or H. Subpart F. [40 CFR 63.103(c)]
- 183 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.1.23(a)]

EQT384 293 - Tank 3537 EA

- 184 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with 40 CFR 63 Subpart G is considered MACT compliance. [LAC 33:III.5109.A]

EQT385 293A - Tank 3536 EA

- 185 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with 40 CFR 63 Subpart G is considered MACT compliance. [LAC 33:III.5109.A]

EQT386 300 - Tank 3506 Butanol Mix

- 186 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with 40 CFR 63 Subpart G is considered MACT compliance. [LAC 33:III.5109.A]
- 187 Comply with the requirements of 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.102(a)]
- 188 Maintain all applicable records in such a manner that they can be readily accessed. Retain the most recent 6 months of records on site or make accessible by computer or other means that provides access within 2 hours after a request. Subpart F. [40 CFR 63.103(c)(1)]
- 189 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.103(c)(2)(i) through (iii), as well as records specified in 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.103(c)(2)]
- 190 Keep copies of all applicable reports and records required by 40 CFR 63 Subparts F, G, and H for at least 5 years. If 40 CFR 63 Subparts G or H require records to be maintained for a time period different than 5 years, maintain those records for the time specified in 40 CFR 63 Subparts G or H. Subpart F. [40 CFR 63.103(c)]
- 191 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.1.23(a)]

EQT387 301 - Tank 3507 Butanol Mix

- 192 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with 40 CFR 63 Subpart G is considered MACT compliance. [LAC 33:III.5109.A]
- 193 Comply with the requirements of 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.102(a)]

SPECIFIC REQUIREMENTS

AI ID: 2083 - Union Carbide Corp - St Charles Operations

Activity Number: PER19660018

Permit Number: 2254-V0

Air - Title V Regular Permit Initial

EQT387 301 - Tank 3507 Butanol Mix

- 194 Maintain all applicable records in such a manner that they can be readily accessed. Retain the most recent 6 months of records on site or make accessible by computer or other means that provides access within 2 hours after a request. Subpart F. [40 CFR 63.103(c)(1)]
- 195 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.103(c)(2)(i) through (iii), as well as records specified in 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.103(c)(2)]
- 196 Keep copies of all applicable reports and records required by 40 CFR 63 Subparts F, G, and H for at least 5 years. If 40 CFR 63 Subparts G or H require records to be maintained for a time period different than 5 years, maintain those records for the time specified in 40 CFR 63 Subparts G or H. Subpart F. [40 CFR 63.103(c)]
- 197 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT388 302 - Tank 3508 Butanol Mix

- 198 Do not cause a violation of any ambient air standard listed in LAC 33:III. Table 51.2, unless operating in accordance with LAC 33:III.5109. No MACT requirement. Vent stream does not contain Class I or II TAPs, only Class III TAP (Butanol). [LAC 33:III.5105.A.2]
- 199 Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112. Table 51.2. [LAC 33:III.5109.B]

EQT389 303 - Tank 3510 EAETHYL Acetate

- 200 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with 40 CFR 63 Subpart G is considered MACT compliance. [LAC 33:III.5109.A]

EQT390 304 - Tank 3511 EAETHYL Acetate

- 201 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with 40 CFR 63 Subpart G is considered MACT compliance. [LAC 33:III.5109.A]

EQT391 305 - Tank 3521 Butanol Mix

- 202 Equip with a submerged fill pipe or a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33:III.2103.A]
- 203 VOC, Total >= 95 % control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33:III.2103.E.1]
Which Months: All Year Statistical Basis: None specified
- 204 Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3 a-e. [LAC 33:III.2103.H.3]
- 205 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]
- 206 Equipment/operational data recordkeeping by electronic or hard copy continuously when storing any material with a vapor pressure > 1.5 psia. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable. [LAC 33:III.2103.I]
- 207 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with 40 CFR 63 Subpart G is considered MACT compliance. [LAC 33:III.5109.A]
- 208 Comply with the requirements of 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.102(a)]

SPECIFIC REQUIREMENTS

AI ID: 2083 - Union Carbide Corp - St Charles Operations
Activity Number: PER19960018
Permit Number: 2254-V0
Air - Title V Regular Permit Initial

EQT391 305 - Tank 3521 Butanol Mix

- 209 Maintain all applicable records in such a manner that they can be readily accessed. Retain the most recent 6 months of records on site or make accessible by computer or other means that provides access within 2 hours after a request. Subpart F. [40 CFR 63.103(c)(1)]
- 210 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.103(c)(2)(i) through (iii), as well as records specified in 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.103(c)(2)]
- 211 Keep copies of all applicable reports and records required by 40 CFR 63 Subparts F, G, and H for at least 5 years. If 40 CFR 63 Subparts G or H require records to be maintained for a time period different than 5 years, maintain those records for the time specified in 40 CFR 63 Subparts G or H. Subpart F. [40 CFR 63.103(c)]
- 212 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.1.23(a)]

EQT392 306 - Tank 3523 Recycle IPE

- 213 Equip with a submerged fill pipe or a vapor loss control system, consisting of a gathering system capable of collecting volatile organic compound vapors and a vapor disposal system capable of processing such organic vapors. All tank gauging and sampling devices shall be gas-tight except when gauging or sampling is taking place. [LAC 33.III.2103.A]
- 214 VOC, Total $\geq 95\%$ control efficiency using a vapor loss control system. This limitation does not apply during periods of planned routine maintenance which may not exceed 240 hours per year. [LAC 33.III.2103.E.]
- 215 Determine VOC maximum true vapor pressure using the methods in LAC 33.III.2103.H.3.a-e. [LAC 33.III.2103.H.3]

- 216 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep records of the information specified in LAC 33.III.2103.I.1 - 7, as applicable. [LAC 33.III.2103.I]
- 217 Do not cause a violation of any ambient air standard listed in LAC 33.III.Table 51.2, unless operating in accordance with LAC 33.III.5109. No MACT requirement. Vent stream does not contain Class I or II TAPs, only Class III TAPs. [LAC 33.III.5105.A.2]

- 218 Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33.III.5112.Table 51.2. [LAC 33.III.5109.B]
- 219 Comply with the requirements of 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.102(a)]

- 220 Maintain all applicable records in such a manner that they can be readily accessed. Retain the most recent 6 months of records on site or make accessible by computer or other means that provides access within 2 hours after a request. Subpart F. [40 CFR 63.103(c)(1)]
- 221 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.103(c)(2)(i) through (iii), as well as records specified in 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.103(c)(2)]

- 222 Keep copies of all applicable reports and records required by 40 CFR 63 Subparts F, G, and H for at least 5 years. If 40 CFR 63 Subparts G or H require records to be maintained for a time period different than 5 years, maintain those records for the time specified in 40 CFR 63 Subparts G or H. Subpart F. [40 CFR 63.103(c)]
- 223 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.1.23(a)]

EQT393 307 - Tank 3525 HE Wastewater

- 224 Do not cause a violation of any ambient air standard listed in LAC 33.III.Table 51.2, unless operating in accordance with LAC 33.III.5109. No MACT requirement. Vent stream does not contain Class I or II TAPs, only Class III TAPs. [LAC 33.III.5105.A.2]
- 225 Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33.III.5112.Table 51.2. [LAC 33.III.5109.B]
- 226 Comply with the requirements of 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.102(a)]

SPECIFIC REQUIREMENTS

AI ID: 2083 - Union Carbide Corp - St Charles Operations

Activity Number: PER19960018

Permit Number: 2254-V0

Air - Title V Regular Permit Initial

EQT393 307 - Tank 3525 HE Wastewater

- 227 Maintain all applicable records in such a manner that they can be readily accessed. Retain the most recent 6 months of records on site or make accessible by computer or other means that provides access within 2 hours after a request. Subpart F. [40 CFR 63.103(c)(1)]
- 228 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.103(c)(2)(i) through (iii), as well as records specified in 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.103(c)(2)]
- 229 Keep copies of all applicable reports and records required by 40 CFR 63 Subparts F, G, and H for at least 5 years. If 40 CFR 63 Subparts G or H require records to be maintained for a time period different than 5 years, maintain those records for the time specified in 40 CFR 63 Subparts G or H. Subpart F. [40 CFR 63.103(c)]
- 230 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT394 308 - Tank 3528 Sulfuric Acid

- 231 Do not cause a violation of any ambient air standard listed in LAC 33:III.Table 51.2, unless operating in accordance with LAC 33:III.5109. No MACT requirement. Vent stream does not contain Class I or II TAPs, only Class III TAP (Sulfuric Acid). [LAC 33:III.5105.A.2]
- 232 Determine the status of compliance, beyond the property line, with applicable ambient air standards listed in LAC 33:III.5112.Table 51.2. [LAC 33:III.5109.B]

EQT395 309 - Tank 3526 Aromatic 200

- 233 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with 40 CFR 63 Subpart G is considered MACT compliance. [LAC 33:III.5109.A]
- 234 Comply with the requirements of 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.102(a)]
- 235 Maintain all applicable records in such a manner that they can be readily accessed. Retain the most recent 6 months of records on site or make accessible by computer or other means that provides access within 2 hours after a request. Subpart F. [40 CFR 63.103(c)(1)]
- 236 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.103(c)(2)(i) through (iii), as well as records specified in 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.103(c)(2)]
- 237 Keep copies of all applicable reports and records required by 40 CFR 63 Subparts F, G, and H for at least 5 years. If 40 CFR 63 Subparts G or H require records to be maintained for a time period different than 5 years, maintain those records for the time specified in 40 CFR 63 Subparts G or H. Subpart F. [40 CFR 63.103(c)]
- 238 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.123(a)]

EQT396 310 - Tank 3527 EA/Acrylic Acid

- 239 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. Compliance with 40 CFR 63 Subpart G is considered MACT compliance. [LAC 33:III.5109.A]

FUG007 196N - Fugitive Emissions

- 240 Equip all rotary pumps and compressors handling volatile organic compounds having a true vapor pressure of 1.5 psia or greater at handling conditions with mechanical seals or other equivalent equipment. [LAC 33:III.2111]
- 241 Repair according to LAC 33:III.21.B.3 any regulated component observed leaking by sight, sound, or smell, regardless of the leak's concentration. [LAC 33:III.21.B.1]

SPECIFIC REQUIREMENTS

AI ID: 2083 - Union Carbide Corp - St Charles Operations

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Permit Number: 2254-V0

Air - Title V Regular Permit Initial

FUG007 196N - Fugitive Emissions

- 242 Do not locate any valve, except safety pressure relief valves, valves on sample lines, valves on drain lines and valves that can be removed and replaced without a shutdown, at the end of a pipe or line containing VOC unless the end of such line is sealed with a second valve, a blind flange, a plug, or a cap. Remove such sealing devices only when the line is in use, for example, when a sample is being taken. When the line has been used and is subsequently resealed, close the upstream valve first, followed by the sealing device. [LAC 33:III.21.21.B.2]
- 243 Make every reasonable effort to repair a leaking component, as described in LAC 33:III.21.21.B, within 15 days, except as provided. [LAC 33:III.21.21.B.3]
- 244 Pump seals: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.21.21.B.3. [LAC 33:III.21.21.C.1.a.i]
- Which Months: All Year Statistical Basis: None specified
- 245 Valves in liquid service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.21.21.B.3. [LAC 33:III.21.21.C.1.a.ii]
- Which Months: All Year Statistical Basis: None specified
- 246 Process drains: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (one time per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.21.21.B.3. [LAC 33:III.21.21.C.1.a.iii]
- Which Months: All Year Statistical Basis: None specified
- 247 Valves in gas service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.21.21.B.3. Permittee may elect to comply with the alternate standards for valves in LAC 33:III.21.21.D (skip period provisions). [LAC 33:III.21.21.C.1.b.ii]
- Which Months: All Year Statistical Basis: None specified
- 248 Pressure relief valves in gas service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.21.21.C.1.b.iii
- Which Months: All Year Statistical Basis: None specified
- 249 Valves in liquid service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.21.21.B.3. Permittee may elect to comply with the alternate standards for valves in LAC 33:III.21.21.D (skip period provisions). [LAC 33:III.21.21.C.1.b.iv]
- Which Months: All Year Statistical Basis: None specified
- 250 Pumps in liquid service: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 quarterly (four times per year). If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.21.21.B.3. Permittee may elect to comply with the alternate standards for valves in LAC 33:III.21.21.D (skip period provisions). [LAC 33:III.21.21.C.1.b.v]
- Which Months: All Year Statistical Basis: None specified
- 251 Pumps: Seal or closure mechanism monitored by visual inspection/determination weekly (52 times per year). [LAC 33:III.21.21.C.1.c]
- Which Months: All Year Statistical Basis: None specified
- 252 Pressure relief valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 within 24 hours after venting to the atmosphere. If a reading of 10,000 ppmv or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in LAC 33:III.21.21.B.3. [LAC 33:III.21.21.C.3.a]
- Which Months: All Year Statistical Basis: None specified
- 253 All components: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 upon each occurrence of a leak detected by sight, smell, or sound, unless electing to implement actions as specified in LAC 33:III.21.21.B.3. [LAC 33:III.21.21.C.3.b]
- Which Months: All Year Statistical Basis: None specified
- 254 Inaccessible valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 annually (at a minimum). [LAC 33:III.21.21.C.4.c]
- Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 2083 - Union Carbide Corp - St Charles Operations
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Air - Title V Regular Permit Initial

FUG007 196N - Fugitive Emissions

- 255 Unsafe-to-monitor valves: VOC, Total monitored by 40 CFR 60, Appendix A, Method 21 upon each occurrence of conditions allowing these valves to be monitored safely. [LAC 33:III.21.21.C.4.c]
- 256 Which Months: All Year Statistical Basis: None specified When a leak that cannot be repaired on-line and in-place is located, affix to the leaking component a weatherproof and readily visible tag bearing an identification number and the date the leak is located. Date and remove the tag after the leak is repaired. [LAC 33:III.21.21.E.1]
- 257 Equipment/operational data recordkeeping by survey log upon each occurrence of a leak. Include the leaking component information specified in LAC 33:III.21.21.E.2. Retain the survey log for two years after the latter date specified in LAC 33:III.21.21.E.2 and make said log available to DEQ upon request. [LAC 33:III.21.21.E.]
- 258 Submit report Due semiannually, by the 31st of January and July, to the Office of Environmental Assessment, Environmental Technology Division. Include the information specified in LAC 33:III.21.21.F.1 through 4 for each calendar quarter during the reporting period. [LAC 33:III.21.21.F.]
- 259 Control emissions of toxic air pollutants to a degree that constitutes Maximum Achievable Control Technology (MACT) as approved by DEQ. [LAC 33:III.5109.A]
- 260 Comply with the requirements of 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.102(a)]
- 261 Conduct performance tests and compliance determinations according to the schedule and procedures in 40 CFR 63.7(a) and the applicable sections of 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.103(b)(1)]
- 262 Maintain all applicable records in such a manner that they can be readily accessed. Retain the most recent 6 months of records on site or make accessible by computer or other means that provides access within 2 hours after a request. Subpart F. [40 CFR 63.103(c)(1)]
- 263 Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain records specified in 40 CFR 63.103(c)(2)(i) through (iii), as well as records specified in 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.103(c)(2)]
- 264 Keep copies of all applicable reports and records required by 40 CFR 63 Subparts F, G, and H for at least 5 years. If 40 CFR 63 Subparts G or H require records to be maintained for a time period different than 5 years, maintain those records for the time specified in 40 CFR 63 Subparts G or H. Subpart F. [40 CFR 63.103(c)]
- 265 Heat exchange systems (cooling water): HAP monitored by the regulation's specified method(s) monthly for the first 6 months and quarterly thereafter to detect leaks. Monitor for total hazardous air pollutants, total volatile organic compounds, total organic carbon, one or more specified HAP compounds, or other representative substances that would indicate the presence of a leak in the heat exchange system. Subpart F. [40 CFR 63.104(b)]
- Which Months: All Year Statistical Basis: None specified
- 266 Heat exchange systems: Maintain, at all times, the monitoring plan currently in use. Maintain on-site, or accessible from a central location by computer or other means that provide access within 2 hours after a request. If a monitoring plan is superseded, retain the most recent superseded plan at least until 5 years from the date of its creation. Retain the superseded plan on-site (or accessible from a central location by computer or other means that provides access within 2 hours after a request) for at least 6 months after its creation. Subpart F. [40 CFR 63.104(c)(3)]
- 267 Heat exchange systems: Prepare and implement a monitoring plan that documents the procedures that will be used to detect leaks of process fluids into cooling water. Require monitoring of one or more surrogate indicators or monitoring of one or more process parameters or other conditions that indicate a leak. Include the information specified in 40 CFR 63.104(c)(1)(i) and (ii). Monitor no less frequently than monthly for the first six months and quarterly thereafter to detect leaks. If a substantial leak is identified by methods other than those described in the monitoring plan and method(s) specified in the plan could not detect the leak, revise the plan and document the basis for the changes. Complete revisions to the plan no later than 180 days after discovery of the leak. Subpart F. [40 CFR 63.104(c)]
- 268 Heat exchange systems: Repair leaks as soon as practicable but not later than 45 calendar days after receiving results of monitoring tests indicating a leak, if a leak is detected according to the criteria of 40 CFR 63.104(b) or (c). Once the leak has been repaired, confirm that the heat exchange system has been repaired within 7 calendar days of the repair or startup, whichever is later. Subpart F. [40 CFR 63.104(d)]
- 269 Heat exchange systems: Equipment/operational data recordkeeping by electronic or hard copy continuously. Retain the records identified in 40 CFR 63.104(f)(1)(i) through (iv) as specified in 40 CFR 63.103(c)(1). Subpart F. [40 CFR 63.104(f)]

SPECIFIC REQUIREMENTS

AI ID: 2083 - Union Carbide Corp - St Charles Operations
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Air - Title V Regular Permit Initial

FUG007 196N - Fugitive Emissions

- 270 Maintenance wastewater: Equipment/operational data recordkeeping by electronic or hard copy continuously. Maintain a record of the information required by 40 CFR 63.105(b) and (c) as part of the start-up, shut-down, and malfunction plan required under 40 CFR 63.6(e)(3). Subpart F. [40 CFR 63.105(e)]
- 271 Compliance with the provisions of 40 CFR 63 Subpart H, in the manner described, shall be deemed to constitute compliance with the standards of 40 CFR 60 Subpart VV. [40 CFR 63.160(c)(1)]
- 272 Identify each piece of equipment in a process unit such that it can be distinguished readily from equipment that is not subject to 40 CFR 63 Subpart H. Subpart H. [40 CFR 63.162(c)]
- 273 Clearly identify leaking equipment, for leaking equipment detected as specified in 40 CFR 63.163, 40 CFR 63.164, 40 CFR 63.168, 40 CFR 63.169, and 40 CFR 63.172 through 63.174. The identification may be removed after the equipment is repaired, except for valves or for connectors subject to 40 CFR 63.174(c)(1)(i). The identification on a valve may be removed after it has been monitored as specified in 40 CFR 63.168(f)(3) and 63.175(e)(i)(D), and no leak has been detected during the follow-up monitoring. If electing to comply using the provisions of 40 CFR 63.174(c)(1)(i), the identification on a connector may be removed after it is monitored as specified in 40 CFR 63.174(c)(1)(i) and no leak is detected during that monitoring. Subpart H. [40 CFR 63.162(f)]
- 274 Pumps in light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks, except as provided in 40 CFR 63.162(b) and 63.163(e) through (j). If a reading of 10,000 ppm (phase I); 5,000 ppm (phase II); or 5,000 ppm (phase III, pumps handling polymerizing monomers), 2,000 ppm (phase III, pumps in food/medical service), or 1,000 ppm (phase III, all other pumps) or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.163(c). Subpart H. [40 CFR 63.163(b)(1)]
- Which Months: All Year Statistical Basis: None specified
- 275 Pumps in light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the pump seal. If there are indications of liquids dripping from the pump seal, a leak is detected. If a leak is detected, initiate the repair provisions specified in 40 CFR 63.163(c). Subpart H. [40 CFR 63.163(b)(3)]
- Which Months: All Year Statistical Basis: None specified
- 276 Pumps in light liquid service: Make a first attempt at repair no later than 5 calendar days after a leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.163(c)(3) and 40 CFR 63.171. Subpart H. [40 CFR 63.163(c)]
- 277 Pumps in light liquid service: Implement a quality improvement program for pumps that complies with the requirements of 40 CFR 63.176, if, in Phase III, calculated on a 6-month rolling average, the greater of either 10 percent of the pumps in a process unit or three pumps in a process unit leak. Subpart H. [40 CFR 63.163(d)(2)]
- 278 Pumps in light liquid service: Determine percent leaking pumps using the equation in 40 CFR 63.163(d)(4). Subpart H. [40 CFR 63.163(d)(4)]
- 279 Pumps in light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the pump stuffing box pressure; or equip with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172; or equip with a closed-loop system that purges the barrier fluid into a process stream. Subpart H. [40 CFR 63.163(e)(1)]
- 280 Pumps in light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in light liquid service. Subpart H. [40 CFR 63.163(e)(2)]
- 281 Pumps in light liquid service (dual mechanical seal system): Equip barrier fluid system with a sensor that will detect failure of the seal system, barrier fluid system, or both. Subpart H. [40 CFR 63.163(e)(3)]
- 282 Pumps in light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the pump seal. If there are indications of liquid dripping from the pump seal at the time of the weekly inspection, monitor the pump as specified in 40 CFR 63.180(b) to determine if there is a leak of organic HAP in the barrier fluid. If an instrument reading of 1,000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate the repair provisions in 40 CFR 63.163(e)(6). Subpart H. [40 CFR 63.163(e)(4)]
- Which Months: All Year Statistical Basis: None specified
- 283 Pumps in light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, criteria that indicates failure of the seal system, the barrier fluid system, or both. Subpart H. [40 CFR 63.163(e)(6)(i)]

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- 284 Pumps in light liquid service (dual mechanical seal system): Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.163(e)(6)]
- 285 Pumps in light liquid service (dual mechanical seal system - sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an audible alarm unless the pump is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criteria established in 40 CFR 63.163(e)(6), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.163(e)(6). Subpart H. [40 CFR 63.163(e)]
- Which Months: All Year Statistical Basis: None specified
- 286 Pumps in light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency. Monitor each pump as often as practicable and at least monthly. Subpart V. [40 CFR 63.163(h)]
- Which Months: All Year Statistical Basis: None specified
- 287 Pumps in light liquid service (unsafe-to-monitor): Determine that the pump is unsafe-to-monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.163(b) through (d). Subpart H. [40 CFR 63.163(j)(1)]
- 288 Pumps in light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the pump as frequently as practicable during safe-to-monitor times but not more frequently than the periodic monitoring schedule otherwise applicable. Subpart H. [40 CFR 63.163(j)(2)]
- Which Months: All Year Statistical Basis: None specified
- 289 Pressure relief device in gas/vapor service: Organic HAP < 500 ppm above background except during pressure releases, as determined by the method specified in 63.180(c). Subpart H. [40 CFR 63.165(a)]
- Which Months: All Year Statistical Basis: None specified
- 290 Pressure relief devices in gas/vapor service: After each pressure release, return to a condition indicated by an instrument reading of less than 500 ppm above background, as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.165(b)(1)]
- 291 Pressure relief devices in gas/vapor service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) after the pressure release and being returned to organic HAP service, to confirm the condition indicated by an instrument reading of less than 500 ppm above background, as measured by the method specified in 40 CFR 63.180(c). Subpart H. [40 CFR 63.165(b)(2)]
- Which Months: All Year Statistical Basis: None specified
- 292 Pressure relief devices in gas/vapor service (rupture disk): After each pressure release, install a new rupture disk upstream of the pressure relief device as soon as practicable, but no later than 5 calendar days after each pressure release, except as provided in 40 CFR 63.171. Subpart V. [40 CFR 63.165(d)(2)]
- 293 Sampling connection systems: Equip with a closed-purge, closed-loop, or closed-vent system, except as provided in 40 CFR 63.162(b). Operate the system as specified in 40 CFR 63.166(b). Subpart H. [40 CFR 63.166]
- 294 Open-ended valves or lines: Equip with a cap, blind flange, plug, or a second valve, except as provided in 40 CFR 63.162(b) and 40 CFR 63.167(d) and (e). Ensure that the cap, blind flange, plug or second valve seals the open end at all times except during operations requiring process fluid flow through the open-ended valve or line, or during maintenance or repair. Operate each open-ended valve or line equipped with a second valve in a manner such that the valve on the process fluid end is closed before the second valve is closed. Subpart H. [40 CFR 63.167]
- 295 Valves in gas/vapor service or liquid service (Phase I): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 10,000 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Subpart H. [40 CFR 63.168(c)]
- Which Months: All Year Statistical Basis: None specified
- 296 Valves in gas/vapor service or liquid service (Phase II): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Subpart H. [40 CFR 63.168(c)]
- Which Months: All Year Statistical Basis: None specified

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- 297 Valves in gas/vapor service or light liquid service (Phase III, 2 percent or greater leaking valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly, as specified in 40 CFR 63.180(b); or implement a quality improvement program for valves that complies with the requirements of 40 CFR 63.175 and monitor quarterly. If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). If electing to implement a quality improvement program, follow the procedures in 40 CFR 63.175. Subpart H. [40 CFR 63.168(d)(1)]
- Which Months: All Year Statistical Basis: None specified
- 298 Valves in gas/vapor service or light liquid service (Phase III, less than 2 percent leaking valves): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 quarterly, as specified in 40 CFR 63.180(b). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.168(f). Permittee may elect to comply with the alternate standards in 40 CFR 63.168(d)(3) and (d)(4). Subpart H. [40 CFR 63.168(d)(2)]
- Which Months: All Year Statistical Basis: None specified
- 299 Valves in gas/vapor service or light liquid service: Determine percent leaking valves using the equation in 40 CFR 63.168(e)(1). Subpart H. [40 CFR 63.168(e)(1)]
- 300 Valves in gas/vapor service or light liquid service (after leak repair): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within three months (at least) after repair to determine whether the valve has resumed leaking. Subpart H. [40 CFR 63.168(f)(3)]
- Which Months: All Year Statistical Basis: None specified
- 301 Valves in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after a leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.168(f)]
- 302 Valves in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the valve is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.168(b) through (d). Subpart H. [40 CFR 63.168(h)(1)]
- 303 Valves in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the valves as frequently as practicable during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable. Subpart H. [40 CFR 63.168(h)(2)]
- Which Months: All Year Statistical Basis: None specified
- 304 Valves in gas/vapor service or light liquid service (difficult-to-monitor): Demonstrate that the valve cannot be monitored without elevating the monitoring personnel more than 2 meters above a support surface or it is not accessible at anytime in a safe manner. Subpart H. [40 CFR 63.168(i)(1)]
- 305 Valves in gas/vapor service or light liquid service (difficult-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Maintain a written plan that requires monitoring of the valves at least once per calendar year. Subpart H. [40 CFR 63.168(i)(3)]
- Which Months: All Year Statistical Basis: None specified
- 306 Pumps, valves, connectors, and agitators in heavy liquid service; instrumentation systems; and pressure relief devices in liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 within 5 days (calendar) if evidence of a potential leak to the atmosphere is found by visible, audible, olfactory, or any other detection method. If a reading of 10,000 ppm for agitators, 5,000 ppm for pumps handling polymerizing monomers, 2,000 ppm for all other pumps (including pumps in food/medical service), or 500 ppm for valves, connectors, instrumentation systems, and pressure relief devices, or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.169(c). Subpart H. [40 CFR 63.169(a)]
- Which Months: All Year Statistical Basis: None specified
- 307 Pumps, valves, connectors, and agitators in heavy liquid service; instrumentation systems; and pressure relief devices in liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.169(c)]
- 308 Surge control vessels and bottoms receivers: Equip with a closed-vent system that routes the organic vapors vented from the surge control vessel or bottoms receiver back to the process or to a control device that complies with the requirements of 40 CFR 63.172, except as provided in 40 CFR 63.162(b), or comply with the requirements of 40 CFR 63.119(b) or (c), if surge control vessel or bottoms receiver is not routed back to the process and meets the conditions specified in 40 CFR 63 Subpart H Table 2 or Table 3. Subpart H. [40 CFR 63.170]

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- 309 Agitators in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 monthly to detect leaks, as specified in 40 CFR 63.180(b). If an instrument reading of 10,000 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.173(c). Subpart H. [40 CFR 63.173(a)]
- Which Months: All Year Statistical Basis: None specified
- 310 Agitators in gas/vapor service or light liquid service: Presence of a leak monitored by visual inspection/determination weekly (calendar) for indications of liquids dripping from the agitator. If there are indications of liquids dripping from the agitator, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.173(c). Subpart H. [40 CFR 63.173(b)]
- Which Months: All Year Statistical Basis: None specified
- 311 Agitators in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.173(c)]
- 312 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Operate with the barrier fluid at a pressure that is at all times greater than the agitator stuffing box pressure; or equip with a barrier fluid degassing reservoir that is routed to a process or fuel gas system or connected by a closed-vent system to a control device that complies with the requirements of 40 CFR 63.172, or equip with a closed-loop system that purges the barrier fluid into a process stream. Subpart H. [40 CFR 63.173(d)(1)]
- 313 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Ensure that the barrier fluid is not in light liquid organic HAP service. Subpart H. [40 CFR 63.173(d)(2)]
- 314 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Equip barrier fluid system with a sensor that will detect failure of the seal system, barrier fluid system, or both. Subpart H. [40 CFR 63.173(d)(3)]
- 315 Agitators in gas/vapor service or light liquid service (dual mechanical seal system): Presence of a leak monitored by visual inspection/determination weekly (calendar). Monitor for indications of liquids dripping from the agitator seal. If there are indications of liquid dripping from the agitator seal at the time of the weekly inspection, monitor the agitator as specified in 40 CFR 63.180(b) to determine the presence of organic HAP in the barrier fluid. If an instrument reading of 10,000 ppm or greater is measured, a leak is detected. If a leak is detected, initiate the repair provisions in 40 CFR 63.173(d)(6). Subpart H. [40 CFR 63.173(d)(4)]
- Which Months: All Year Statistical Basis: None specified
- 316 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Determine, based on design considerations and operating experience, criteria that indicates failure of the seal system, the barrier fluid system, or both. Subpart H. [40 CFR 63.173(d)(6)(i)]
- 317 Agitators in gas/vapor service and light liquid service (dual mechanical seal system): Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after the leak is detected, except as provided in 40 CFR 63.171. Subpart H. [40 CFR 63.173(d)(6)]
- 318 Agitators in gas/vapor service or light liquid service (dual mechanical seal system - sensor): Equipment/operational data monitored by visual inspection/determination daily, or equip with an audible alarm unless the agitator is located within the boundary of an unmanned plant site. If the sensor indicates failure of the seal system, the barrier fluid system, or both based on the criteria established in 40 CFR 63.173(d)(6), a leak is detected. If a leak is detected, initiate repair provisions specified in 40 CFR 63.173(d)(6). Subpart H. [40 CFR 63.173(d)]
- Which Months: All Year Statistical Basis: None specified
- 319 Agitators in gas/vapor service or light liquid service (unmanned plant site): Presence of a leak monitored by visual inspection/determination at the regulation's specified frequency. Monitor each agitator as often as practicable and at least monthly. Subpart H. [40 CFR 63.173(g)]
- Which Months: All Year Statistical Basis: None specified
- 320 Agitators in gas/vapor service or light liquid service (difficult-to-monitor): Demonstrate that the agitator cannot be monitored without elevating the monitoring personnel more than two meters above a support surface or it is not accessible at anytime in a safe manner. Subpart H. [40 CFR 63.173(h)(1)]
- 321 Agitators in gas/vapor service or light liquid service (difficult-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Maintain a written plan that requires monitoring of the agitator at least once per calendar year. Subpart H. [40 CFR 63.173(h)(3)]
- Which Months: All Year Statistical Basis: None specified

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- 322 Agitators in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the agitator is unsafe to monitor because monitoring personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.173(a) through (d). Subpart H. [40 CFR 63.173(j)(1)]
- 323 Agitators in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of the agitator as frequently as practicable during safe-to-monitor times, but not more frequently than the periodic monitoring schedule otherwise applicable. Subpart H. [40 CFR 63.173(j)(2)]
- Which Months: All Year Statistical Basis: None specified
- 324 Connectors in gas/vapor service or light liquid service: Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once within 12 months after the compliance date, except as provided in 40 CFR 63.174(f) through (h). If an instrument reading of 500 ppm or greater is recorded, a leak is detected. If a leak is detected, initiate repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(b)(1)]
- Which Months: All Year Statistical Basis: None specified
- 325 Connectors in gas/vapor service or light liquid service (0.5% or greater leaking): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 annually. Subpart H. [40 CFR 63.174(b)(3)(i)]
- Which Months: All Year Statistical Basis: None specified
- 326 Connectors in gas/vapor service or light liquid service (less than 0.5% leaking): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 once every two years. Subpart H. [40 CFR 63.174(b)(3)(ii)]
- Which Months: All Year Statistical Basis: None specified
- 327 Connectors in gas/vapor service or light liquid service (opened or otherwise had the seal broken): Presence of a leak monitored by 40 CFR 60, Appendix A, Method 21 within three months after being returned to organic HAP service or when it is reconnected. If monitoring detects a leak, repair according to the provisions of 40 CFR 63.174(d), as specified, except as provided in 40 CFR 63.174(c)(1)(ii). Subpart H. [40 CFR 63.174(c)(1)(i)]
- Which Months: All Year Statistical Basis: None specified
- 328 Connectors in gas/vapor service or light liquid service (2 inches or less in nominal diameter): Comply with the requirements of 40 CFR 63.169. Subpart H. [40 CFR 63.174(c)(2)(i)]
- 329 Connectors in gas/vapor service or light liquid service (2 inches or less in nominal diameter): Organic HAP monitored by technically sound method within three months after being returned to organic HAP service after having been opened or otherwise had the seal broken. If monitoring detects a leak, implement repair provisions in 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(c)(2)(ii)]
- Which Months: All Year Statistical Basis: None specified
- 330 Connectors in gas/vapor service or light liquid service: Make a first attempt at repair no later than 5 calendar days after each leak is detected, and complete repairs no later than 15 calendar days after it each leak is detected, except as provided in 40 CFR 63.171 and 63.174(g). Subpart H. [40 CFR 63.174(d)]
- 331 Connectors in gas/vapor service or light liquid service (unsafe-to-monitor): Demonstrate that the connector is unsafe to monitor because personnel would be exposed to an immediate danger as a result of complying with 40 CFR 63.174(a) through (c). Subpart H. [40 CFR 63.174(f)(1)]
- 332 Connectors in gas/vapor service or light liquid service (unsafe-to-monitor): Organic HAP monitored by 40 CFR 60, Appendix A, Method 21 at the regulation's specified frequency. Maintain a written plan that requires monitoring of connectors as frequently as practicable during safe to monitor times, but not more frequently than the periodic schedule otherwise applicable. Subpart H. [40 CFR 63.174(f)(2)]
- Which Months: All Year Statistical Basis: None specified
- 333 Connectors in gas/vapor service or light liquid service (unsafe-to-repair): Demonstrate that repair personnel would be exposed to an immediate danger as a consequence of complying with 40 CFR 63.174(d). Subpart H. [40 CFR 63.174(g)]
- 334 Connectors in gas/vapor service or light liquid service (inaccessible, ceramic, or ceramic-lined): Make a first attempt at repair within 5 days after leak is detected by visual, audible, olfactory or other means, and complete repairs no later than 15 calendar days after leak is detected, except as provided in 40 CFR 63.171 and 63.174(g). Subpart H. [40 CFR 63.174(h)(2)]

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- 335 Connectors in gas/vapor service or light liquid service: Calculate percent leaking connectors as specified in 40 CFR 63.174(i)(1) and (i)(2). Subpart H. [40 CFR 63.174(i)]
- 336 Comply with the test methods and procedures requirements provided in 40 CFR 63.180. Subpart H. [40 CFR 63.180]
- 337 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records as specified in 40 CFR 63.181(a) through (k).

Subpart H. [40 CFR 63.181]

338 Submit Initial Notification: Due within 120 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(b)(1). Subpart H. [40 CFR 63.182(b)]

339 Submit Notification of Compliance Status: Due within 90 days of the compliance dates specified in the 40 CFR 63 subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.182(c)(1) through (c)(3). Subpart H. [40 CFR 63.182(c)]

340 Submit Periodic Reports: Due semiannually starting 6 months after the Notification of Compliance Status, as required in 40 CFR 63.182(c). Include the information specified in 40 CFR 63.182(d)(2) through (d)(4). Subpart H. [40 CFR 63.182(d)]

GRP062

Acrylics 2 Unit

- 341 VOC, Total <= 34.66 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 342 Acetaldehyde < 0.01 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 343 Acrolein < 0.01 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 344 Acetophenone < 0.01 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 345 Acrylic acid <= 0.36 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 346 Benzene < 0.01 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 347 n-butyl alcohol <= 1.08 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 348 Dibutyl phthalate < 0.01 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 349 Ethyl Acrylate <= 6.79 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 350 Ethylene glycol <= 0.02 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 351 Hydroquinone < 0.01 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 352 Methanol < 0.01 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum
- 353 Naphthalene < 0.02 tons/yr. [LAC 33:III.501.C.6]
 - Which Months: All Year Statistical Basis: Annual maximum

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- 354 Phenol < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 355 Phthalic Anhydride < 0.01 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 356 Sulfuric acid <= 0.02 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 357 To determine compliance with the Louisiana Ambient Air Standards (AAS) for acrylic acid, permittee shall establish ambient monitoring for this pollutant in accordance with a monitoring plan and operating procedures to be approved by the Office of Environmental Assessment. The monitoring plan and operating procedures shall be submitted within 45 days of the permit issuance, and the monitoring should commence as soon as practical but no later than 90 days from the date of permit issuance. Monitoring sites should be based upon consideration of the maximum off site concentrations as predicted by dispersion modeling of Union Carbide's permitted emissions alone and of permitted emissions from all sources in the Union Carbide Area of Inclusion (AOI). If monitoring indicates off-site levels of acrylic acid above the AAS, further remedial action will be required to achieve compliance with the ambient air standards; permittee shall submit an application for permit modification within 60 days after completion of monitoring. [LAC 33:III.501.C.6]
- 358 Submit report. Due whenever there is a change in the process generating the waste stream that could cause the total annual benzene quantity from facility waste to increase to 1 Mg/yr (1.1 ton/yr) or more. Submit updates to the information listed in 40 CFR 61.357(a)(1) through (a)(3). [40 CFR 61.357(b)]
- 359 Comply with the requirements of 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.102(a)]
- 360 Conduct performance tests and compliance determinations according to the schedule and procedures in 40 CFR 63.7(a) and the applicable sections of 40 CFR 63 Subparts G and H. Subpart F. [40 CFR 63.103(b)(1)]
- 361 Conduct performance tests according to the provisions in 40 CFR 63.7(e) of subpart A, except conduct performance tests at maximum representative operating conditions for the process. Subpart F. [40 CFR 63.103(b)(3)]
- 362 Conduct all required compliance demonstrations for flexible operation units during production of the primary product. Operate each control device, recovery device, and/or recapture device that is required or used for compliance, and associated monitoring systems, without regard for whether the product that is being produced is the primary product or a different product, except as otherwise specified in 40 CFR 63 Subparts F, G and H. Subpart F. [40 CFR 63.103(b)(6)]
- 363 Maintain all applicable records in such a manner that they can be readily accessed. Retain the most recent 6 months of records on site or make accessible by computer or other means that provides access within 2 hours after a request. Subpart F. [40 CFR 63.103(c)(1)]
- 364 Keep copies of all applicable reports and records required by 40 CFR 63 Subparts F, G, and H for at least 5 years. If 40 CFR 63 Subparts G or H require records to be maintained for a time period different than 5 years, maintain those records for the time specified in 40 CFR 63 Subparts G or H. Subpart F. [40 CFR 63.103(c)]
- 365 Heat exchange systems: Maintain, at all times, the monitoring plan currently in use. Maintain on-site, or accessible from a central location by computer or other means that provide access within 2 hours after a request. If a monitoring plan is superseded, retain the most recent superseded plan at least until 5 years from the date of its creation. Retain the superseded plan on-site (or accessible from a central location by computer or other means that provides access within 2 hours after a request) for at least 6 months after its creation. Subpart F. [40 CFR 63.104(c)(3)]
- 366 Heat exchange systems: Prepare and implement a monitoring plan that documents the procedures that will be used to detect leaks of process fluids into cooling water. Require monitoring of one or more surrogate indicators or monitoring of one or more process parameters or other conditions that indicate a leak. Include the information specified in 40 CFR 63.104(c)(1)(i) and (ii). Monitor no less frequently than monthly for the first six months and quarterly thereafter to detect leaks. If a substantial leak is identified by methods other than those described in the monitoring plan and method(s) specified in the plan could not detect the leak, revise the plan and document the basis for the changes. Complete revisions to the plan no later than 180 days after discovery of the leak. Subpart F. [40 CFR 63.104(c)]
- 367 Heat exchange systems: Repair leaks as soon as practicable but not later than 45 calendar days after receiving results of monitoring tests indicating a leak, if a leak is detected according to the criteria of 40 CFR 63.104(b) or (c). Once the leak has been repaired, confirm that the heat exchange system has been repaired within 7 calendar days of the repair or startup, whichever is later. Subpart F. [40 CFR 63.104(d)]

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- 368 Heat exchange systems: Equipment/operational data recordkeeping by electronic or hard copy continuously. Retain the records identified in 40 CFR 63.104(f)(1)(i) through (iv) as specified in 40 CFR 63.1.03(c)(1). Subpart F. [40 CFR 63.1.04(f)]
- 369 Maintenance wastewater: Implement the procedures described in 40 CFR 63.105(b) and (c) as part of the start-up, shutdown and malfunction plan required under 40 CFR 63.6(e)(3). Subpart F. [40 CFR 63.1.05(d)]
- 370 Maintenance wastewater: Prepare a description of maintenance procedures for the management of wastewaters generated from the emptying and purging of equipment in the process during temporary shutdowns for inspections, maintenance, and repair and during periods which are not shutdowns as specified in 40 CFR 63.1.05(b)(1) through (b)(3). Modify and update the information required by 40 CFR 63.1.05(b) as needed following each maintenance procedure based on the actions taken and the wastes/waters generated in the preceding maintenance procedure. Subpart F. [40 CFR 63.1.05]
- 371 Equipment/operational data recordkeeping by electronic or hard copy continuously. Keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. Keep the records as long as the storage vessel retains Group 2 status and is in operation. Subpart G. [40 CFR 63.1.23(a)]
- 372 Identify each piece of equipment in a process unit such that it can be distinguished readily from equipment that is not subject to 40 CFR 63 Subpart H. Subpart H. [40 CFR 63.1.62(c)]
- 373 Pressure relief device in gas/vapor service: Organic HAP < 500 ppm above background except during pressure releases, as determined by the method specified in 63.1.80(c). Subpart H. [40 CFR 63.1.65(a)]
Which Months: All Year Statistical Basis: None specified
- 374 Comply with the test methods and procedures requirements provided in 40 CFR 63.1.80. Subpart H. [40 CFR 63.1.80]
- 375 Submit Initial Notification: Due within 120 days after the date of promulgation of the subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.1.82(b)(1). Subpart H. [40 CFR 63.1.82(b)]
- 376 Submit Notification of Compliance Status: Due within 90 days of the compliance dates specified in the 40 CFR 63 subpart that references 40 CFR 63 Subpart H. Include the information specified in 40 CFR 63.1.82(c)(1) through (c)(3). Subpart H. [40 CFR 63.1.82(c)]
- 377 Submit Periodic Reports: Due semiannually starting 6 months after the Notification of Compliance Status, as required in 40 CFR 63.1.82(c). Include the information specified in 40 CFR 63.1.82(d)(2) through (d)(4). Subpart H. [40 CFR 63.1.82(d)]